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INTERCOM

August 22, 1991 Volume 21, Number 1

Retirement changes to be discussed at group meetings

Recent legislation passed by the State legislature and signed by the Governor could affect many University faculty and staff members in the State Employes Retirement System.

According to the Division of Employee Benefits, there are two parts to the law and one or both could apply.

The early retirement window, which has been in effect for several years for SERS members age 53 or over, has been extended through June 30, 1993. In addition, there no longer is an age restriction associated with the early retirement window.

In other words, a member with 30 or more years of service may retire without any reduction in pension due to age. The purchase of military credit, out-of-state teaching credit, etc., may be used in accounting for the 30 or more years.

The second part of the law deals with a 10 percent increase in pension benefits for members who are age 55 or over prior to Jan. 31, 1992, and have 10 or more years of service in the retirement system.

The number of years of service credit is increased by 10 percent for anyone who is age 55 or over with 10 or more years of service in SERS and retires between Feb. 1, 1991 and Dec. 31, 1991. (There is a reduction due to age if the member is under age 60 and has less than 30 years of service).

Faculty and staff members who are affected by these changes may attend group meetings for discussions. Question and answer sessions will be held at the Kern Graduate Building Auditorium at University Park at 1:30 and 3 p.m. Monday, Aug. 26, and at 1:30 and 3 p.m. Tuesday, Aug. 27.

Individual retirement counseling may be obtained by calling the Employee Benefits Division at (814) 865-1473.

Faculty and staff members at locations other than University Park should contact their human resources officer for information concerning meetings. Individuals at the Hershey Medical Center should contact the Human Resources Office.

Faculty and staff members are reminded that, in order to continue University life insurance and medical coverage into retirement, they must be age 60 or over with 15 years of regular full-time University employment and continuous participation in the medical plan (10 or more if hired prior to July 1, 1984) or have 25 or more years of regular full-time employment and 10 years of continuous participation in the medical plan.

However, as a one-time exception due to the passage of the special legislation, faculty and staff members who are age 55 or over may continue benefits into retirement if the 10 percent increase causes the 10-or 25-year University requirement to be met.

In addition, current policy (PS-52) requires that proper notification of resignation be given. With this recent state action, the provisions of PS-52 will be waived to facilitate retirement for faculty and staff under the legislation.

York Campus partnership program receives NSF grant

Penn State York's one-year-old Mathematics: Opportunities in Engineering, Science and Technology (MOEST) program will receive a $271,933 boost from the National Science Foundation.

According to **William Lee Smallwood,** creator of the program and area representative for continuing education, the campus received official word last week that the NSF will fund its private sector partnership over the next four years beginning Sept. 1.

"Penn State and the York community can be very proud of this accomplishment," Mr. Smallwood said. "The yearly $272,000 federal grant from NSF will allow the MOEST program to continue and expand."

MOEST is a year-round program designed to increase African American and Latino students' abilities in math and science and to help prepare them for post-graduate educational settings and jobs in the technical industries of York.

Developed in 1989 and piloted in 1990/91, this educational enrichment program begins in the seventh grade and then continues through high school. This pilot program enrolled 24 students and their families. With the grant and matching funds, it will now add 50 new students each year. The evaluation will follow students through college, whether it be a technical school or university, and into their first jobs. Students attending Penn State will have the opportunity to continue in the program.

MOEST is one of the more important programs we have initiated," **John J. Romano,** campus executive officer, said. "This program addresses a national problem where far too few of our young men and women in school today, especially African-Americans and Latinos, pursue studies in math and science. MOEST gives participating students added classes in science and match each week and encourages them to formally study in these areas and seek careers in science, mathematics, engineering and related fields."

MOEST grew out of a collaborative effort between the Penn State York Campus and Caterpillar Inc. (CAT), a Fortune 500 company with a plant in York, to develop a program that might help guarantee a workforce for the growing high-tech industries in York.

Students are selected for MOEST in the spring of sixth grade and then begin attending classes when they enter seventh grade. They attend classes twice a week where their current curriculum in math and science is reinforced. In addition to reinforcing concepts in the two disciplines, the courses offer students a chance to expand skills in critical thinking, problem solving, practical applications, abstract foundations and technical writing.

As a supplement to classroom work eight field trips are taken throughout the year. Four are designated as educational. Four are career oriented and include visits to local corporations who employ professionals in fields related to

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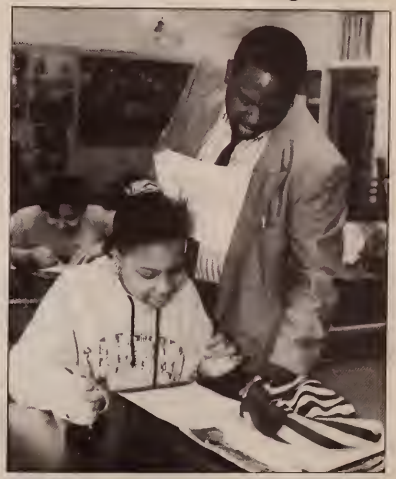


Norman Ellis, MOEST instructor at the Penn State York Campus, assists a student during the program's Summer Institute.

UNIVERSITY ARCHIVES/PENN STATE ROOT

Appointments

Austin J. Jaffe, professor of business administration, has been named the first Philip H. Sieg Professor of Business Administration.

Dr. Jaffe, also the research director of the Institute for Real Estate Studies (IRES) in the Smeal College of Business Administration, is widely known for his work in real estate financial analysis and property rights. His research interests also include real estate finance and investment theory and practice, the economics of urban property rights in the West and East as well as real estate computerization.

The Sieg Professorship was created through a gift from Penn State alumni **Philip** and **Judith O. Sieg** of Bellefonte and the Sieg Financial Group. The professorship will provide the resources necessary for the development of research and educational programs.

Dr. Jaffe joined the University faculty in 1981. Prior to that he was an assistant professor of finance and real estate at the University of Oregon.

In 1989, Dr. Jaffe was admitted as a fellow of the prestigious School of Advanced Studies in Real Estate and Land Economics of the Homer Hoyt Advanced Studies Institute. A prolific writer, he is the author or co-author of nine books, more than 50 articles and other publications. He has been an associate editor or special editor for several respected publications and has served on the editorial boards of five real-estate oriented journals.

Philip Sieg received a bachelor's degree in business administration at Penn State in 1957. Judith Sieg, a bachelor's degree in journalism in 1959.

Currently the chairman of the Sieg Financial Group, Philip Sieg was the founder of Federated Home and Mortgage Company in 1960. He also is a director of Mid-State Bank and of Keystone Financial Inc. and has worked to foster business and employment growth in Central Pennsylvania for many years.

Mr. Sieg is a member at-large of Penn State's National Development Council and a member of the volunteer committee which provides leadership in fund-raising efforts for the University's proposed Academic/Athletic Convocation and Events Center.

He has been a member of the executive committee of The Campaign for Penn State and, with Judith Sieg, is a charter member of the Mount Nittany Society, which recognizes the highest level of private support for the University.

William A. Kracaw, former faculty member at Purdue's Krannert Graduate School of Management, has been appointed chairman of the Department of Finance in The Smeal College of Business Administration. He succeeds **John R. Ezzell**, professor of finance, who will continue teaching and research at the University.

Dr. Kracaw holds a bachelor's degree in chemical engineering, an M.B.A. in finance and quantitative methods and a Ph.D. in finance, all from the University of Utah.

Before joining the faculty of the Krannert School in 1980, he was a visiting instructor at the University of Utah, where he taught principles of finance, money and banking and financial management. He serves on the editorial boards of the *Journal of Financial Research* and the *Journal of Managerial Issues*.

He has been active in several professional and academic associations in the field of finance, including the American Financial Association, the Western Finance Association, the Financial Management Association and the Society for Financial Studies.

Luanne M. Lawrence has been appointed acting director of community relations at Penn State Harrisburg.

Ms. Lawrence, formerly the assistant to the director of community relations at the College, will be responsible for directing the College's public information, publications and alumni activities. She will be implementing media relations and advertising efforts as well as representing the College throughout the community.

Ms. Lawrence is the former marketing and communications specialist for the Pennsylvania Directors Association for Community Action, Inc. She is a member of the Pennsylvania Society of Association Executives and the College and University Public Relations Association of Pennsylvania.

Digby D. Macdonald has been appointed director of the Center for Advanced Materials (CAM) and professor of materials science and engineering in the College of Earth and Mineral Science.

Dr. Macdonald is a native of New Zealand, where he received his B.Sc. and M.Sc. degrees in chemistry from the University of Auckland. In 1969 he received his Ph.D. degree in chemistry from the University of Calgary in Alberta, Canada.

He joined Atomic Energy of Canada Ltd. as an assistant research officer and, subsequently, worked at Victoria University in Wellington, New Zealand, Alberta Sulfur Research Ltd. in Canada, SRI International in Menlo Park, Calif., and Ohio State University. In 1984 he returned to SRI International and served in several positions before joining the University.

Dr. Macdonald has authored and coauthored more than 230 technical papers, reviews and book chapters in electrochemistry, corrosion science, thermodynamics and reactor technology. His book, *Transient Techniques in Electrochemistry*, was published in 1977.

CAM is multidisciplinary center working with industrial partners on a broad range of materials problems, with the major emphasis in the past few years on ceramics.

Margaret E. Spear has been named director, Clinical Services, University Health Services (UHS). In this capacity she will be responsible for formulating and implementing medical policy for student health services, for supervising all clinical staff, including health promotion and education, and for serving as a staff physician providing primary health care to students.

Dr. Spear came to Penn State in August 1990 as physician in charge of the Women's Health Department. Under her leadership, the department reduced by 50 percent the waiting time for routine appointments by expanding the role of nurses and modifying the intake and appointment systems.

Dr. Spear has served as a staff physician at both the University of California, Berkeley, and Cornell University's student health services. She received her medical degree at Mount Sinai Medical School, City University of New York. Her residency in internal medicine was completed in Oakland, Calif.

Thomas Hahn, professor of engineering science and mechanics, has been appointed the first holder of the Harry and Arlene Schell Professorship in Engineering.

Dr. Hahn, who joined the Penn State faculty in 1986, founded and directs the Composites Manufacturing Technology Center in the College of Engineering. The Center offers a unique concentration on the processing of composites, the manufacture of components and the testing and characterization of actual composite systems.

An internationally recognized leader in composites science and technology, Dr. Hahn focuses on the micromedical design of advanced composite materials and the manufacture of these high technology materials.

The Harry and Arlene Schell Professorship in Engineering was established was a $250,000 gift from Harry and Arlene Schell of New City, NY. Mr. Schell, a 1956 civil engineering graduate, is the president and chief executive officer of Cablec Corporation and chairman of BRIntec Corporation.

Janet L. Yates has been named acting director of student programs and services at the Penn State DuBois Campus for the 1991-92 academic year.

As acting director, Ms. Yates will assume responsibility for the overall and day-to-day managerial and budgetary aspects of student programs and services at the campus.

Ms. Yates, who has been a member of the DuBois Campus staff since 1969, earned an undergraduate degree in Latin and biology from Montclair State College in New Jersey and a master's degree in counseling from The University of Bridgeport, Connecticut. She holds certifications from the National Board of Certified Counselors and the Pennsylvania Counselor Certification Board.

A life member of The American Association for University Women (AAUW), she has been active on both the state and local levels.

Austin J. Jaffe

William A. Kracaw

Luanne M. Lawrence

Digby D. Macdonald

Margaret E. Spear

News in Brief

Teaching assistant seminars
The Instructional Development Program (IDP) is offering a number of seminars for interested TAs, faculty and students during the beginning of the fall semester.

Individuals interested in participating in any of these activities must return the registration form by Friday, Aug. 23. Late registration is possible but places are limited and assigned on a first-come first-served basis.

Registration forms are available from department offices, the HUB and Kern desks, and IDP. For further information call Suzanne Robbins or Glenn Storey at IDP, 863-2599.

Framing services
The Penn State Bookstore on campus will resume the normal schedule for the custom matting and framing services on Aug. 26. Custom matting and framing is generally completed in seven days.

The staff in the art and engineering department at the bookstore is always willing to provide quotes on the cost of each project and offers a wide selection of matting colors and framing styles. To find more about this service, please contact Don Comly at 863-3589.

Program on Aging Parents
Daniel J. Lago, assistant professor of human development and assistant director for outreach in the College of Health and Human Development Gerontology Center, will speak on You and Your Aging Parents at the Aug. 27 meeting of Professional Women at Penn State.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel, with an opportunity for informal networking. Dr. Lago will begin speaking at 12:10 p.m.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

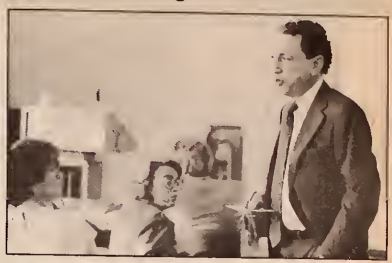
New computer book section
The Penn State Bookstore on Campus recently has enhanced its computer books section with a special area designated for bestselling computer books. The selection has been enlarged and now every bestselling computer book is discounted 10%.

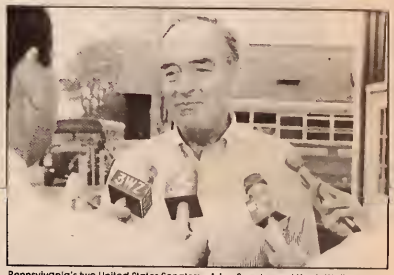
The general book area of the Penn State Bookstore continues to offer special order services for faculty, staff and students, and rush service for orders utilizing the fastest and most inexpensive shipping for customers. The book department also ships books anywhere in the US and internationally.

ARL resource folder
To improve the quality of work life and community life for all employees in the Applied Research Laboratory (ARL) Penn State family, the ARL Diversity Committee currently is developing a University-Community information Resource folder.

If your organization, club or committee would like to be included as a part of this folder, please mail the relevant information to N.D. Anderson or K.K. Hodgdon at ARL Penn State, P.O. Box 30, State College, PA 16804.

Visiting senators





Pennsylvania's two United States Senators—Arlen Specter and Harris Wofford—visited Penn State last week. In the top photo, Sen. Specter speaks to constituents at a meeting in the Hetzel Union Building at University Park. In the other photo, Sen. Wofford speaks to reporters during a visit to Ag Progress Days. (Photos: Greg Grieco)

Libraries at University Park set hours

The University Libraries has announced the following Fall Semester hours for libraries located at University Park.

Pattee Library:
The Arts Library, Documents/Maps, General Reference, Lending Services, Life Sciences Library, Periodicals, and the Reserve Reading Room will be open Monday through Thursday from 7:45 a.m. to midnight; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m.; and Sunday, noon to midnight.

Historical Collections and Labor Archives, Interlibrary Loan, Photoduplication, and the Rare Books Room will be open Monday through Friday from 8 a.m. to 5 p.m. and will be closed on Saturday and Sunday.

The Microforms Section will be open, Monday through Thursday from 7:45 a.m. to 10 p.m.; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m.; and Sunday, noon to 10 p.m.

The University Archives/Penn State Room will be open Monday through Friday from 9:30 a.m. to 5 p.m.; Saturday, 9 a.m. to 1 p.m., and will be closed on Sunday.

Branch Libraries:
The Architecture Library, Earth and Mineral Sciences Library, Engineering Library, Mathematics Library, and the Physical Sciences Library will be open Monday through Thursday from 7:45 a.m. to 11 p.m.; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m.; and Sunday, noon to 11 p.m.

The Education Library will be open Monday through Thursday from 8 a.m. to 9 p.m.; Friday, 8 a.m. to 7 p.m.; and Saturday and Sunday, 1 p.m. to 7 p.m.

Pollock Library will be open 24 hours a day, seven days a week.

On Labor Day, Monday, Sept. 2, Pattee Library will be open from noon until midnight. With the exception of the Education Library, the branch libraries will be open from noon until 11 p.m. The Education Library will be open from noon until 9 p.m.

If you would like more information on the Libraries' hours of service, call 865-4963.

York Campus

(Continued from Page 1)

mathematics and science.

In addition to the NSF grant, more then $300,000 has been committed to the program by Penn State, the Crispus Attucks Association, and York area business and industry.

"Our MOEST grant proposal was selected for full funding by the NSF because the program is designed to meet critical workforce needs for highly trained and technically educated individuals to fill increasingly complex positions in business and industry," Dr. Romano said.

"We would not have secured funding from NSF without the overwhelming financial support from the business and industry community in York. Without their multi-year financial contributions totalling close to $300,000, the NSF award grant would never have happened."

John Madden, director of academic affairs at the Penn State York Campus, is the principal investigator of the NSF grant.

MOEST recently earned a President's Salute, given by the American Association for Higher Education (AAHE) in recognition of outstanding efforts to accelerate minority achievement, and received an invitation to nominate the program for the Anderson Medal, a national award given by the Business Higher Education Forum.

The program also has received Neighborhood Assistance Program (NAP) status from the state which provides for up to $80,000 in tax credits for businesses who contribute to the program.

Carpoolers

Bernie would like to carpool from Philipsburg to University Park. Her work hours are 8 a.m. to 5 p.m. Call 863-2133 or 342-6331.

Bill would like to carpool from Tyrone to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 863-3007.

Eric would like one non-smoking person to carpool from Bellwood to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 865-3405.

Penn Staters

Sabih Hayek, professor of engineering mechanics, has been elected to a three-year term as a member of the Executive Council of the Acoustical Society of America.

James L.W. West III, professor of English and Fellow in the Institute for the Arts and Humanistic Studies, has received the 1991 Biennial Award for a Distinguished Essay on Textual Scholarship for his essay "Editorial Theory and the Act of Submission," published in PBSA, June 1989. He also has been awarded a Summer Stipend by the National Endowment for the Humanities for work on his biography-in-progress of novelist William Styron.

Sally McCorkle, assistant professor of art, exhibited a piece titled "Fences" in the ninth annual sculpture exhibition at the Empire-Fulton Ferry State Park, located on the East River at the base of the Brooklyn Bridge. She also exhibited a piece titled "Situations" in a national curated exhibition at New Langton Arts Gallery in San Francisco, Calif.

Barbara Miller, associate professor of pediatrics at the Hershey Medical Center, received the Hinkle Society's Outstanding Junior Investigator Award, which is given to a nontenured faculty member of the College of Medicine in recognition of his or her research.

Jiri Tichy, professor of acoustics and head of the University's acoustics program, has been elected vice president-elect of the Acoustical Society of America.

Joseph J. Trautlein, associate professor of medicine at the Hershey Medical Center, has been appointed national program academic coordinator for the American Board of Quality Assurance and Utilization Review Physicians.

James Weeks, research project associate in Planning Studies, has been elected secretary-treasurer of the National University Continuing Education Association's.

Edward V. Williams, associate dean for research and graduate studies, College of Arts and Architecture, completed three weeks of research on Russian bells in the Lenin Library and Glinka Museum, Moscow. This research was funded by travel grants from the National Endowment for the Humanities and the International Research and Exchanges Board.

James Kerlin, deputy director of the Center for Academic Computing, has been elected chairperson of the Advisory Board of the Information Resources Management Association (IRMA).

Nicholas Winograd, Evan Pugh Professor of chemistry, was named the 1991 Outstanding Alumnus of the Department of Chemistry at Case Western Reserve University. He also won the Bennedetti-Pichler Award of the American Microchemical Society for his "outstanding contributions to microchemistry."

Steven H. Zarit, professor of human development, gave a talk titled "Current Developments in the Psychology of Aging in the United States" at the annual meeting of the Swedish Geropsychology Interest Group in Jonkoping. He also gave an invited talk on "Concepts and Measures in Family Caregiving Research" to the Department of Social Medicine at the University of Uppsala, Sweden.

N.K. Bose, Singer professor and director of the Spatial and Temporal Signal Processing Center, presented a seminar on "Directions in Multidimensional Systems Research" at the 1991 International Symposium on the Mathematical Theory of Networks and Systems, and a seminar on "Inference of Properties of Sets from Subsets" at the Ninth Kobe International Symposium on Electronics and Information Sciences, both held in Kobe, Japan.

Myrna Munchus-Bullock, visiting instructor in the Department of Exercise and Sport Science, has won a Special Recognition Award from Afro-One Dance, Drama, and Drum Theatre Inc., a performing arts company dedicated to the preservation of African-American cultural and performing arts.

France Cordova, professor and head of the Department of Astronomy and Astrophysics, has been appointed by President Bush to serve a three-year term on the President's Committee on the National Medal of Science.

G.P. Patil, distinguished professor of mathematical statistics and director of the Center for Statistical Ecology and Environmental Statistics, has been appointed chairman of the newly established Committee on Fellows of the Statistics and Environment Section of the American Statistical Association (ASA).

Howard Knuttgen, director of the Center for Sports Medicine, has been reelected to the Executive Committe of the PanAmerican Confederation of Sports Medicine, a federation of the national sports medicine organizations of 34 countries of the western hemisphere.

Gary W. Gallagher, professor and head of the Department of History, has been named to the board of directors of the American Battlefield Protection Foundation.

Robert W. Koehler, associate professor of accounting, has been elected to a two-year term as a national director of the Institute of Management Accountants.

Robert E. Newnham, Alcoa professor of solid state science, delivered a series of lectures on multifunctional composite materials at Leeds University in England.

Robert A. Novack, assistant professor of business logistics, has been named a visiting faculty scholar at Merck Pharmaceutical's manufacturing division and was invited to join the GLV Advisory Council.

Arnold F. Shapiro, professor of business administration, was honored in the Society of Actuaries' Health Section Research Paper Competition for a paper he coauthored on the "Modeling of Flexible Benefits Selections."

Jeffrey M. Sharp, assistant professor of business law, has been selected by the American Bar Association to serve as chairman of the Lenders' Issues Subcommittee of the Environmental Controls Committee of the Section of Business Law.

Donald E. Sheffield, special assistant to the dean for undergraduate education/research associate, has been appointed a member of the Board of Trustees of Geneva College, Beaver Falls, Pa.

Gloriana St. Clair, assistant dean of Information Access Services in the University Libraries, has been selected as one of 15 top managers of academic research libraries to be appointed UCLA Senior Fellows for 1991.

Alfred Triolo, associate professor of Spanish and Italian, presented a paper, "La Mandragola e il sacro," at an international symposium, "New Directions in Research Methodology," in Milan, Italy.

Beno Weiss, professor of Italian, presented a paper titled "Italo Svevo: Una tappa teatrale" at an international symposium, "New Directions in Research Methodology," in Milan, Italy.

Ronald Filippelli, professor and head of the Department of Labor Studies and Industrial Relations, has been awarded a research grant by the American Council of Learned Societies to support research on the relationship between politics and culture in French-American relations after World War Two.

Julia Cuervo Hewitt, associate professor of Spanish and Portuguese, presented an invited paper titled "Soliman in El reino de este mundo" at the International Congress on Semiotics of the Mystical Text in L'Aquila, Italy.

Augustin Banyaga, associate professor of mathematics, spent his sabbatical leave at the Forschungsinstitut fur Mathematik, ETH Zurich as a resident scholar and at the University of Paris XI (Orsay) as an invited (first class) professor of mathematics. He gave a series of lectures at ETH and delivered several invited addresses at the Universities of Geneva, of Paris VII, Marseilles and of Montpellier.

Douglas Beegle, associate professor of soils, has won the Agway Award of the Northeast Branch of the American Society of Agronomy.

Jean-Marc Bollag, professor of soil microbiology, gave an invited plenary lecture titled "Biological and Chemical Interactions of Pesticides with Soil Organic Matter" at an International Symposium on "Chemical, Biological and Ecotocicological Behavior of Pesticides in the Soil Environment" at the University of Rome, Italy.

Frank R. Deutsch, professor of mathematics in the Eberly College of Science, gave four invited one-hour lectures at the NATO Advanced Study Institute on Approximation Theory, Spline Functions, and Applications meeting in Maratea, Italy.

Gregory S. Forbes, associate professor of meteorology, has been appointed as the University's representative on the multi-agency Joint Working Group for Weather Support to NASA.

John Gardner, assistant professor of mechanical engineering, presented two papers titled "Characteristics and Approximations of Optimal Force Distributions in Walking Machines on Rough Terrain" and "Applications of Neural Networks for Trajectory Control of Robots" at the 5th International Conference on Advanced Robotics in Pisa, Italy.

Elwood Hatley, professor of agronomy, has received the Extension-Industry Award from the Northeast Branch of the American Society of Agronomy.

Akhlesh Lakhtakia, associate professor of engineering, delivered an invited paper, "Tales of Dragons' Tails: Unsuspected Dangers of Truncation," at Physics Computing '91, a conference organized by the American Institute of Physics in San Jose, Puerto Rico.

H. Randolph Thomas, professor of mechanical engineering; **Victor E. Sanvido,** assistant professor of architectural engineering, and **Steve R. Sanders,** a recent Ph.D. civil engineering graduate, received the American Society of Civil Engineers 1991 Thomas Fitch Rowland Prize for their paper, "Impact of Material Management on Productivity -- A Case Study."

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Fall Semester 1991

Focus on Diversity

Diversity course assistance available to faculty

Faculty members seeking to build diversity into their courses can get assistance from the University's Office of Undergraduate Education.

"We plan additional workshops and conferences and are developing both human and content resources to assist faculty in developing courses to meet the University's new cultural diversity graduation requirement," **Jerry B. Covert,** associate dean for undergraduate education, said.

The University's policy, approved by the Faculty Senate in March 1990, requires that all baccalaureate degree students, beginning with those enrolled this summer, take either three credits of cultural diversity focused courses or 12 credits of cultural diversity enhanced courses.

The requirement for associate degree students, which becomes effective in 1992, is either three credits of cultural diversity focused courses or six credits of cultural diversity enhanced courses.

Under the policy, diversity focused courses must focus on race, ethnicity, religion, gender, sexual orientation, and/or global perspectives, while diversity enhanced courses must devote at least 25 percent of their content to these issues.

Freshmen enrolling this summer had a choice of 88 courses to meet the requirement. The courses--56 diversity focused and 32 diversity enhanced--were approved by the Senate Committee on Curricular Affairs. In addition to those courses, Education Abroad Programs can be used to satisfy the requirement.

Noting that the course approval process is an ongoing one, Dr. Covert said it is expected that more courses will be approved for Spring Semester 1992.

"Cultural diversity always has been in place at the University with the offering of courses in Black Studies and Women's Studies. In addition, other courses in particular subject areas or disciplines have included issues of diversity but were not designated as clearly.

"To build on what is already there, the Office of Undergraduate Education sponsored curriculum integration workshops in 1988 and 1989 and is planning to offer a third conference in early Spring 1992.

"And, in the past year, our Instructional Development Program (IDP) has been able to focus on curricular as well as instructional development. This has allowed us to take on facilitating curriculum change--especially in cultural diversity and writing across the curriculum--as a major agenda."

With the appointment of **Joan Parrett** as assistant director and curricular development specialist, IDP sponsored workshops with faculty members throughout Spring Semester on how to write cultural diversity proposals for the University Faculty Senate.

"Through a series of 10 workshops," Dr. Covert said, "we facilitated the development of course proposals for 28 courses by working directly with 23 faculty members, 13 from University Park and 11 from the Commonwealth Educational System.

"We plan to continue that process in a more discipline-oriented fashion. For example, with the assistance of faculty members and department heads, we would like to identify courses that are culturally diverse or have the potential of being developed into cultural diversity courses.

"Once developed, we would invite faculty from all locations to attend course-by-course workshops to discuss course objectives, course content, and instructional aspects of delivering cultural diversity course content in a sensitive manner."

To assist in development of cultural diversity courses, IDP staff members have been collecting materials, including bibliographies and lists of journals, articles, textbooks and videotapes, and have been working with the University Libraries to develop reading materials on various aspects of cultural diversity to be available at all University locations.

"We also are developing a list of faculty experts in various aspects of cultural diversity to serve as presenters at workshops and a list of nationally recognized experts to use as keynote speakers, if needed," Dr. Covert added.

– Bill Campbell

In this section

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- Vita Bank
- Festival of Cultures
- Federal grants for programs
- Coordinators of minority programs

Statement from University President Joab Thomas

This week begins a season of new opportunities for the Penn State community. There are the familiar opportunities for teaching, research, and service and the concurrent challenge to continue to refine our work there. There also is the opportunity through the extension of our work to have a profound impact on the thousands of students who come to study and learn at this University.

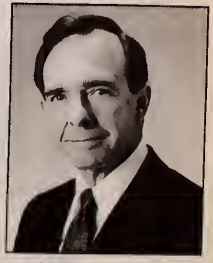
One of the many things students will learn at Penn State is that the world is comprised of a diverse combination of people. Universities such as ours allow them and others to experience that diversity first-hand. We are trying to help prepare them for that experience.

During the past several months, for example, 25,000 people -- about 12,000 freshmen and their parents and guardians -- took part in a diversity seminar which is an important component of the University's Freshmen Testing, Counseling and Advising Program (FTCAP). More recently, many of these same freshmen have participated in diversity workshops at their campuses and in their residence halls. All of this occurs before a freshman spends a single day in class.

We do this because we know that students of the 1990s will live and work in a diverse nation which will progress or not within a global marketplace. Students who learn to understand and appreciate the diversity in our nation and world will be capable of much needed new leadership in both spheres.

I am confident that we can work together, across all Penn State units to craft an academic and cultural climate that will encourage the development of leaders--leaders who will create a future that is worthy of our past in an environment characterized by mercurial change.

Best wishes for the coming academic year.



Joab Thomas

By reflecting on past and looking to future

Commission for Women celebrating 10th anniversary

The Penn State Commission for Women is celebrating its 10th anniversary this year by reflecting on its past and looking to the future.

"We have had a strong and distinguished first decade of existence," said **Shirley Hendrick**, commission chair and Smeal College of Business Administration assistant dean. But we look forward to making greater strides in the future.

One goal of the commission for 1991-92 is to be more visible.

"Our members work so hard on assessment studies and reviewing and monitoring policies, that sometimes publicizing the projects and our meetings have taken a back seat," Dr. Hendrick said.

Another goal is to assess the current status of women at Penn State and set a new agenda addressing issues for the next decade.

"Prior chairs are working to compile a agenda report for release sometime next spring. That committee is chaired by Mary Dupuis, College of Education director of teacher education and associate dean of undergraduate programs and immediate past chair of the commission," Dr. Hendrick added.

Other objectives for the 91-92 academic year will be determined at a commission retreat in the fall.

"It has been noted around the country that Penn State's commission has experienced one of the longest tenures among any university women's commission in the country," Dr. Hendrick noted. The report of the Strategic Study Group on the Status of Women at Penn State is considered by other universities as a benchmark. We give a great deal of the credit for our long-term existence and success to the University's administration for their wholehearted support and to the commitment of many Penn State women."

Established in 1981, the commission was created to serve as an advisory group to the President on issues affecting women and to guide the University in its efforts to improve the status of women at Penn State. Its membership represents a balance of women from various levels of the University.

Since the establishment of the commission, major recommendations have led to: the creation of the Returning Adult Student Center, which opened at University Park in 1983; the establishment of an additional child-care center at University Park in 1985 and at the Hershey Medical Center in 1989. Creation of a Center for Women Students in 1985, and development of a hiring handbook to provide guidance on equitable procedures to be used in the hiring of faculty and staff.

One of the commission's most notable accomplishments was its 1985 Strategic Study Group on the Status of Women. The results led to more than 190 recommendations, many of which have been implemented.

The commission also has recommended the Administrative Fellow Program for Women and Minorities that was implemented in the 1986-87 academic year, worked to strengthen affiliations among women at Penn State locations around the state; and began supporting projects for women's health, the Returning Adult Center, the Center for Women Students and the Women's Studies Program.

Commission members are appointed by the President. Each year, two individuals of the faculty, administrative, staff and clerical levels and one technical service employee are named to three-year terms. In addition two graduate students and two undergraduate students are appointed.

The commission currently has more than 30 members.

Executive committee members are: **Susan C. Youtz**, undergraduate programs school of nursing assistant director; **Corinne Caldwell**, Penn State Mont Alto Campus' executive officer; **Donna J. Schroyer**, College of Engineering special events coordinator and secretary; **Danielle P. Richards**, Penn State Schuylkill Campus counseling and advising assistant and commission chair-elect; **Grace Hampton**, vice provost; **Mary Dupuis**; and **Jill Findeis**, associate professor of agricultural economics.

Ex-officio members are representatives from the University's Affirmative Action Office, the Center for Women Students, Women Studies Program, Undergraduate Student Government, Commission on Racial and Ethnic Diversity, College of Health and Human Development, and the Pennsylvania Commission for Women.

--**Aaron Singleton**

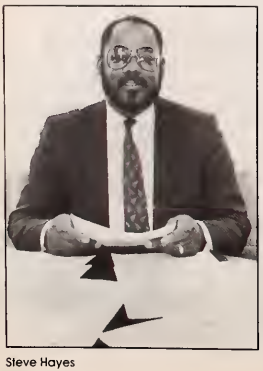
For Minority and Women Vita Bank

Human resource specialist seeks more work

Steve Hayes would like to get the word out that he's eager for more work.

A human resource specialist in the University's Office of Human Resources, Mr. Hayes has been coordinator of Penn State's Minority and Women Vita Bank for professional staff jobs since joining the University on Nov. 1, 1990.

Prior to his appointment, **Jan Davison**, senior employment specialist and dual careers coordinator, coordinated the vita bank program. Since joining Penn State, Mr. Hayes has worked hard combing the Atlantic region in search of resumes from minorities and women experienced in a variety of career fields.



Steve Hayes

His quest has connected him with 91 special interest agencies and professional Black-American/African-American, Hispanic-American, Native American Indian and Asian/Pacific-American organizations.

"Now that we have collected nearly 400 resumes, we're anxious to have people considered for jobs," he says. "I want the University community to know that when job openings become available, regardless of the position or department, I can help by referring from the vita bank the names of qualified people who can contribute to both the advancement and the diversity of Penn State."

The idea of minority resume banks has gained considerable popularity among institutions of higher education over the past few years. Penn State was among the first major institutions to start one back in 1985, according to Mr. Hayes.

"It's surprising for some people when they learn that Penn State was on the leading edge of this trend. But it's true."

In September, Mr. Hayes plans to hit the road again to gather more resumes from candidates in the Pennsylvania, West Virginia and Ohio region. In the process he also intends to target more Asian/Pacific American and Hispanic professional organizations and sponsored job fairs for resumes. In addition, he plans to promote the University's telephone job information listing service.

The telephone job information listing service (814-865-JOBS) is a biweekly summer and weekly fall through spring updated jobs listing service available free to anyone who calls. The service gives application deadlines and tells applicants where to send resumes.

In addition to coordinating the resume bank when he returns from the road, Mr. Hayes intends to continue to work closely with the Commonwealth Campuses: Penn State Harrisburg, Penn State Erie and Great Valley, and promote the University's jobs phone line. He is optimistic that he will get more opportunities to recruit and refer minority and women applicants.

--**Aaron Singleton**

Festival of cultures

Music, dance, ethnic foods, crafts and children's activities will be highlighted as Penn State and the Centre Region community host their third annual Festival of Cultures on Saturday, Sept. 14.

The event, organized by the Centre Region Council of Governments, local residents, and the University, will take place from 10:30 a.m. to 6:30 p.m. at the Central Parklet, located behind the Fraser Street Post Office in State College.

The festival is intended to provide a fun way of bringing together people from different backgrounds to learn about each other's cultural heritage and celebrate the area's diversity. It will feature many types of food, fashion, art, crafts, dance, and children's games.

"The support and participation we received for last year's Festival was more than we imagined," Jim Steff, planning committee co-chair and COG executive director, said. "This year we hope it will be even more successful."

Food highlights involve an expansion from two cooking contests last year to three this year, including the Chili Challenge sponsored by the Native American Indian Student Association; a Rib Burn-Off hosted by the Forum on Black Affairs, and a Buffalo Chicken Wing cook-off which is a contest between local restaurants, including La Bamba, State College Hotel, Spats, Gingerbread Man, Stoneys, Cafe 210 West, Lion's Den, and Surf Club.

"The Festival of Cultures is an excellent opportunity to bring people together from different backgrounds to learn about each other's cultural heritage and to celebrate our area's diversity. By providing this day in the park, we hope to generate excitement and pluralism among local residents and University students," Tony Jones, planning committee co-chair and Account Executive for Keystone Inc., said.

Musical highlights will feature performances by local groups Passport, Earthtones, and Queen Bee. Other attractions include Black Greek fraternity and sorority step shows, an open forum, and a performance by the Interlandia Dance Co.

'See the Future'

Wiley Keltz Jr., right, explains a piece of equipment to participants in the 'See the Future' program for minority students in grades seven through nine. 'See the Future,' which focuses on science, energy and engineering, is one of a number of programs for minority students conducted during the summer by the University. (Photo: Greg Grieco)

Federal grants to support two programs

The University has received $1.4 million in federal grants to help fund educational programs for thousands of minority and low income youths and adults in Pennsylvania.

The three-year U.S. Department of Education grants will support two major programs for residents from Philadelphia, Chester, Pittsburgh, New Kensington, Sharon and other locations throughout the commonwealth.

The appropriations include $675,000 for the University's Educational Opportunity Centers project, a program to help adults age 19 and older prepare for post-secondary education, and $735,480 for Talent Search, a program to help youths in grades seven through 12 set educational goals and prepare for college.

"In these times of belt tightening and extreme budget cuts, it's a real honor to receive these funds," C. Gregory Knight, vice provost and dean of undergraduate education, said. "Many people around the state are in need of these services, and we're very happy that Penn State is in position to help."

Under the Educational Opportunity Center program, the University will provide participants with academic assistance, help find financial aid for college and assist in preparing for and applying to post-secondary educational institutions. Penn State will operate centers in Philadelphia and Allegheny counties, from which coordinators will travel to work with residents from nearby rural areas.

In Pittsburgh, EOC coordinators will visit public low-income housing complexes in the city's North View Heights, McKeesport and Hill sections. In Philadelphia, counselors will work with federal, state and local social service agencies to reach low-income communities throughout the city. Officials expect to work with a total of 2,000 participants annually.

"Our goal is to help people identify careers, develop skills and select a college as well as assist with financial aid forms and college applications," Howard E. Wray III, assistant dean for undergraduate education and academic assistance programs, said.

Under the Talent Search project, counselors will assist middle and high school students in school districts at Aliquippa, Duquesne, New Kensington-Arnold, Clairton, Chester, Sharon and Farrell to set goals for completing high school, choosing a major and attending and graduating from college.

"Our counselors will work with the school districts to identify students with potential for college, urge those students to graduate from high school, take the proper courses to prepare for college as well as help them get financial aid for post-secondary education" Dr. Wray said.

Talent Search counselors also will help adult high school or college drop-outs who have the ability to complete such programs to return. About 900 people are expected to participate annually.

"We plan to coordinate and offer free tutorial services for both adults and youths. In addition, we plan to help their parents provide support at home," Dr. Wray added.

The Educational Opportunity Center and Talent Search grants were awarded through the Federal Trio programs. Created in 1964 by the Economic Opportunity Act, Trio programs received their name in the late 1960s when three initial programs were established. Presently, there are seven programs for disadvantaged students under the Trio title.

COLLEGE DIRECTORS/COORDINATORS OF MINORITY PROGRAMS

College of Agriculture:

William L. Henson
director, Minority Student Programs,
101 Agricultural Admin. Bldg., 865-7521

James W. Locker Jr.
coordinator, Equal Employment Opportunities and Affirmative Action Programs,
863-3452

College of Arts & Architecture:

Carl L. Blake
assistant dean, recruitment and retention,
115 Arts Building, 865-3775

School of Communications:

Christine A. Patterson
director, minority student services,
304 James Building, 863-6081

College of Earth & Mineral Sciences:

John D. Lee
director, Minority Programs,
104 Deike Building, 865-2756

College of Education:

Reginald K. Brooks
director, Minority Student Services,
178 Chambers Building, 865-0488

College of Engineering:

Daniel C. Davis
director, Minority Engineering Program,
101 Hammond Building, 863-4944

College of Health & Human Development:

Daniel L. Trevino
director, Minority Programs,
214 Henderson Building, 863-1291

College of the Liberal Arts:

Earl F. Merritt
coordinator, Office of Minority Programs,
136 Sparks Building, 863-1977

Eberly College of Science:

Henry McCoullum
coordinator, Minority Programs,
211 Whitmore Lab, 865-0887

The Smeal College of Business Administration:

Vernis M. Welmon
assistant to the dean, Minority Relations and International Programs,
106B Business Administration Bldg., 863-0474

Bruce E. Ellis
coordinator, Minority Affairs and Student Programs,
402 Business Admnistration Bldg., 865-3475

Graduate Minority Recruitment: Graduate School:

Catherine G. Lyons
director, Center for Minority Graduate Opportunities and Faculty Development,
308 Kern Building, 863-1663

Undergraduate Minority Recruitment: Admissions Office:

Gary M. Kelsey
director, Division of Minority Admissions and Community Affairs,
210 Shields Building, 865-1764

With new officers and new agenda

Diversity commission poised for new academic year

Penn State's Commission on Racial and Ethnic Diversity is poised for a new academic year with new officers and a new agenda.

New officers are **Daniel C. Davis,** associate professor of engineering science and mechanics and College of Engineering director of minority programs, chair; and Puring MacDonald, Commonwealth Educational System assistant director of review and policy analysis, chair-elect. Both will serve one year terms. Dr. MacDonald will assume the chair position in the 1992-93 academic year.

"This year we want to be more visible in our mission, and I believe our agenda of various projects and objectives will help us achieve that goal," said Dr. Davis, who serves as the commission's third chairperson.

One project the commission has targeted for completion during the 1991-92 academic year is to complete a brochure of recommended terminology for official University communications that refers to racial and ethnic groups, Dr. Davis noted.

Other goals are to investigate and make recommendations about the way images of racial and ethnic minorities are presented in official University photos and videos, to make recommendations about the effectiveness of student aid programs and policies, and to compile the commission's first annual report.

"We also have formed a vision team, which is made up of senior commission members, to identify issues or directions the commission should direct attention to in the future. Hopefully, this will help us prepare for tomorrow's challenges today," Dr. Davis said.

The commission, established in 1989, was organized to advise the Office of the President on University policies, procedures, programs and issues affecting the welfare of racial and ethnic minorities at Penn State and in surrounding communities. The commission's general membership, like its representative council, consists of members from Black American/African- American, Native American Indian, Asian-American/Pacific American, Hispanic and non-minorities.

All members are appointed by the President.

Newly appointed Asian/Pacific American members include: **Binh Le,** Ogontz Campus assistant librarian; **Madhu Prakash,** associate professor of education; and **M.G. Syal,** civil engineering graduate student.

New Black American/African- American members are: **Janice Edwards,** Philadelphia Recruitment Center admissions officer, and **Arthur L. Harris III,** Hazelton Campus director of continuing education.

New Hispanic members are **John Gutierrez,** associate professor of spanish, and **Jesus Colon,** Academic Assistance Programs/Multi-cultural Resource Center counselor.

New Native American Indian members are **Victor L. Dupuis,** professor of education and Waterbury professor of secondary education, and **Lois Seitz,** computer applications analyst.

New non-minority members are: **Robert Carnahan,** New Kensington Campus director of academic affairs; **Christopher Hikade,** undergraduate history student and **Thomas Poole,** religious affairs director.

Other members are: **Beverly Ladrido, Gary Kelsey, Ann Shields, Barbara Thompson, Emilia Martinez-Brawley, Stanley Nowak, Jose Vicente** and **Tannaz Rahman.**

Ex-officio members are **Mayor Arnold Addison, Bonnie Ortiz,** affirmative action officer and **W. Terrell Jones,** deputy vice provost and equal opportunity chair. **Shirley Hendrick** is serving as liaison for the Commission for Women.

Representative council officers will be appointed later this month.

The University community is welcome to contact any commission member concerning any issue they would like to have presented to the commission. --**Aaron Singleton**

McKeesport Campus hosts summer camp

Summer camp usually conjures up images of long hikes through the woods and toasting marshmallows over a campfire. Instead, students participating in the Penn State Educational Partnership Program (PEPP) day camp used computers, visited a workplace, and discussed career goals during their week at the McKeesport Campus.

Fourteen students from McKeesport Area School District's Cornell and Francis McClure Middle Schools spent July 22 through 26 exploring career paths. According to **Darrell Thomas,** PEPP-McKeesport director, the camp is a component of the PEPP program at both schools where "at risk" minority students receive added academic support through specially designed enrichment classes.

At the Penn State McKeesport Campus, the students used the "Discover" computer program to match their individual aptitudes with various career fields. As part of their career exploration experience, they researched professions and wrote reports on their findings.

A field trip to Duquesne Light Company headquarters in Pittsburgh gave students a first-hand glimpse of a variety of jobs in one setting. They observed personnel in marketing, accounting, clerical, engineering, and computing functions.

The summer camp program was underwritten by Duquesne Light Company and transportation costs were covered through a gift from Mon Valley Petroleum.

Mr. Thomas said another aspect of the weeklong program addressed cultural diversity. The theme of this year's summer camp was "Dare to Excel: Building Cultural Bridges for the 21st Century."

"As we move toward the 21st century, one-third of our nation will be minority population," Mr. Thomas said. "It is important for these students to know about different cultural backgrounds."

"We focused on the Hispanic culture, since it is quite probable these students will be interacting with (people of) that culture at some point. We wanted to tear down potential barriers as a means of lessening culture shock."

Special guest **Jose A. Gonzales,** associate professor in the College of Education at the University of the Sacred Heart in Santurce, Puerto Rico, was an observer at the camp.

Donald E. Sheffield, Penn State Beaver Campus, served as educational curriculum director for the camp.

Religious holidays during fall semester are listed

Occasionally students request exemptions from class attendance and other University obligations in order to observe religious holidays.

Here is a list, compiled by the University Office of Student Activities and Religious Affairs, that specifies those holy days of the major world religions for which observance may require a student to depart from his/her normal routine at the University.

September 1991

9-10 Jewish holiday Rosh Hashanah begins at sundown Sept. 8 and ends at sundown Sept. 10, 1991.

18 Jewish holiday Yom Kippur begins at sundown Sept. 17 and ends at sundown Sept. 18.

23 Sukkot, first day, begins at sundown Sept. 22 and ends at sundown Sept. 23.

30 Shemini Atzeret begins at sundown Sept. 29 and ends at sundown Sept. 30.

October 1991

1 Hindu and Jain holidays. Simchat Torah begins at sundown Sept. 30 and ends at sundown, Oct. 1.

17 Dusserah (Good over Evil), exact date dependent upon lunar calendar (approx. date).

November 1991

1 All Saints Day.

5 Divali (Festival of lights), exact date dependent upon lunar calendar (approx. date).

20 Guru Nanak Birthday.

December 1991

2 Hanukkah begins at sundown Dec. 1 (does not require absence from routine commitments).

8 Bodhi Day.

Playfair program delivers serious message

For the third year in a row, Penn State used fun and games to kick off a week of activities focused on teaching freshmen serious messages about living with diversity.

On Saturday, Aug. 17, the University's Student Services Division of Campus Life's Office of Residence Life, conducted "PlayFair: You Can Make a World of Difference," a presentation geared toward providing new students with an opportunity to interact with students from diverse backgrounds. The program was held in the Greenberg Indoor Sports Complex at University Park.

Other activities, which are aimed at developing an appreciation for diversity among Penn State's new and returning student population, are scheduled through Aug. 29.

The Playfair presentation was designed to reinforce the messages related to diversity that were initially presented to parents and students at the Freshman Testing Counseling and Advising Program sessions held throughout the summer. The goal is to reiterate those messages on arrival day and continue strengthening those messages throughout orientation week and the rest of the year.

Facilitated by Playfair Inc., a corporation developed by psychologist Max Weinstein to stimulate positive interaction of people from different backgrounds, the program drew nearly 5,000 students.

Through non-competitive activities, the students interact in an environment where diversity is appreciated and every new student feels a part of the community. As a part of the program, the facilitators stressed the importance of accepting others who may be from different cultures and backgrounds.

"We've received overwhelmingly positive feedback from students who participated in previous years," Jim Fay, associate director of residence life, said.

"Many who had participated two years ago, came back to participate the last year. In fact, most of those who have participated say they would like to see the program continue."

The additional activities scheduled throughout the week will stress tolerance on cultural, racial, religious and sexual orientation issues, Mr. Fay said.

University Park Calendar

August 22 -- September 1

Special Events

Friday, August 23
Shaver's Creek Night Hike. 8:30-10 p.m. Call 863-2000.
Saturday, August 24
Shaver's Creek Natural History Hike. 10 a.m.-12 p.m. Call 863-2000.
Forum On Black Affairs Garage sale fundraiser. 8 a.m. to 2 p.m. Paul Robeson Cultural Center. Also Aug. 25.
Sunday, August 25
Shaver's Creek Wildflower Walk. 1-2:30 p.m. Call 863-2000.
School of Music. 8 p.m., Recital Hall. Mark L. Lusk, trombone.
Tuesday, August 27
Brown-Bag Lunch, 11:45 a.m. Frizzell Room, Eisenhower Chapel. Dr. Daniel J. Lago on "You and Your Aging Parents."
Wednesday, August 28
Fall Student Involvement Fair. 10 a.m.-4 p.m. HUB Ballroom and Fishbowl, through Aug. 29.
Thursday, Aug. 29
Open forum with James B. Stewart, vice provost for underrepresented groups, 8 a.m. to 9 a.m., Paul Robeson Cultural Center.
Friday, August 30
School of Music. 8 p.m., Recital Hall. Armstrong Flute and Percussion Duo.
Saturday, August 31
Shaver's Creek. Ohaypele Trek. 8 a.m.-7 p.m. through Sept. 1. Call 863-2000.

Public Radio

WPSU-FM 91.1
All Things Considered. Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.
Morning Edition. Monday-Friday, 6-8 a.m. Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays, with Jeff Ballou. "Creative License," 12:30 p.m. Thursdays.

Seminar

CAMP, 11 a.m., 339 Davey Lab. Dr. Kieron Burke, Rutgers Univ., on Atom Scattering from Surfaces."

Exhibits

Chambers Gallery
School of Visual Arts, 2 and 3 Dimensional Design Projects, through Sept. 27.
Palmer Museum of Art
The Permanent Collection: From Floor to Ceiling.
Pattee Library
East Corridor Gallery:
Ginny Davis Baggett: Silkscreen prints, through Aug. 29.
Lending Services Gallery:
Chris Hughes: Retrospazzle, through Aug. 29.
Penn State Room:
IRB: 100 John R. Backen and the Development of Landscape Architecture at Penn State," through Sept. 30.
Zoller Gallery
Ultra Media, through Sept. 29.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories.

Focus on the arts

Art exhbit

"I Love It...What Is It? Ultra Media," an invitational exhibition including eight artists, will be on view Saturday, Aug. 24, through Sunday, Sept. 29, in Zoller Gallery at University Park.

Robert Crise Jr., of Detroit, Mich., is guest curator of the exhibition. He invited artists whose work combines sound, light and kinetic movement with paintings, sculpture and installation art that responds to world social and political events.

Artists included are Eloise Cook, Crise and Gary Zych, Mason Byers, Lee Ann Mitchell, Donna Zarbin-Byrne and Mike Slatterly, and Richard Dennis. An opening reception will be held from 5 to 7 p.m. Saturday, Aug. 24, in Zoller Gallery. The exhibition and reception are free to the public.

Zoller Gallery is located in the Visual Arts Building across the breezeway from the Palmer Museum of Art entrance. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Art Alley Panels

The paintings of Samia Engineer are on display until Sept. 8 in the HUB Art Alley Panels at University Park.

Ms. Engineer, who is a Ph.D. candidate in art education at the University, paints in oil, acrylic and mixed media, using materials as diverse as pantyhose, henna, and fabric. Her work is concerned with the historical and cultural traditions of Bahrain, her native country in the Persian Gulf, and especially with images related to the suppression of women in that culture.

Ms. Engineer has exhibited her work in the Art Education Graduate Show in the West Wing of Patee Library in 1989 and 1990, and in Chambers building this past April.

"Terra Reverie: A Cultivated Space" will be on view through Sept. 29 in Zoller Gallery.

Foundation Series

"Foundation Series," a traveling exhibition of two-and three-dimensional projects by students at the University of Arts in Philadelphia, will be on view in Chambers Gallery at University Park Aug. 26 through Sept. 27.

Niles Lewandowski and Elsa Johnson, faculty members in foundations at the University of the Arts, curated and organized the exhibition, which is traveling to several other sites in Pennsylvania and across the nation.

Chambers Gallery is located in the lobby of the Chambers Building. Gallery hours are 8 a.m. to 5 p.m. Monday through Friday.

Additional concert

By popular demand, Ray Charles will give a second concert during Parents' Weekend at 5 p.m. Saturday, Oct. 12, in Eisenhower Auditorium at University Park. The 8 p.m. performance is sold out. Both concerts are sponsored by the Center for the Performing Arts.

With four decades experience as a professional musician, Charles needs no introduction. His fusion of gospel, rhythm and blues, jazz and country has won him worldwide acclaim and a prominent place in the annals of American music.

He is the second performer in the "Cool Heat" series, which opens Sept. 19, with pianist George Winston and includes singer Betty Carter and trumpeter Hugh Masekela.

Center for the Performing Arts series subscribers will be given first preference until Tuesday, Sept. 3, when single tickets go on sale to the general public. "Cool Heat" subscriptions are $37 to $56 for adults and $24 to $43 for students. Single tickets are $16 to $22 and $12 to $18.

For ticket information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Faculty recital

The Armstrong Flute and Percussion Duo will perform a faculty recital at 8 p.m. Friday, Aug. 30, in the School of Music Recital Hall at University Park.

The program of music for flute and various combinations of percussion instruments includes works by Schmidt, Telemann, Vercoe, Martinnen, Dahl, C. Wiley Smith and C. H. Green.

The duo consists of Eleanor Duncan Armstrong, assistant professor of flute, and Dan C. Armstrong, associate professor of percussion. Steven Smith, professor of piano, will join the duo for a performance of "Septigrams" by Schmidt, and the Penn State Ragamuffins, a quartet of Dan Armstrong's students, will accompany him on Green's "Frivolity."

The concert is free and open to the public.

Silkscreen prints

Silkscreen prints by Ginny Davis Baggett are on display in Pattee Library East Corridor Gallery at University Park through Aug. 29.

Ms. Baggett graduated from Mt. Holyoke College with a degree in botany, and began printmaking in 1971 after attending art courses at Hunter College and Penn State.

The silkscreen prints in the exhibit produced by the artist in the past 20 years represent a variety of styles and reflect her knowledge of botanical subjects.

The arts on Channel 3

Robert Motherwell came to New York in the early 1960s and joined a group of artists--including Jackson Pollock, Willem de Kooning, Mark Rothko and Frank Kline--who set out to change the face of American painting.

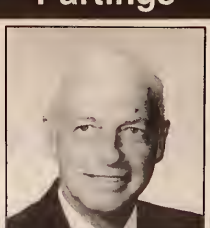
Telling the story of the abstract expressionist movement through one of its last survivors, "Robert Motherwell and the New York School: Storming the Citadel," airing at 9 p.m. Monday, Aug. 26, on *American Masters*, charts the battle that defined modernism.

Following American Masters, at 10 p.m., it's an encore presentation of *Cezanne: The Riddle of the Bather*s, which explores the obsession of the artist Paul Cezanne with the theme of male and female bathers.

Championship Ballroom Dancing 1991, airing at 9:30 p.m. Wednesday, Aug. 28, features the top professional competitive ballroom dancers from across the United States.

Partings

John D. Beckwith Jr.



Allan A. Derzak

James P. McGettigan

John D. Beckwith Jr., maintenace worker at the Stone Valley Recreation Area, has retired after 37 years of service.

His responsibilities included supervising the student employees and doing maintenance work.

Mr. Beckwith first served the University in Waring Dining Commons in West Halls in 1953. He was in charge of utilities and the stock room.

During retirement he and his wife, Garnet, plan to relax and enjoy their home.

Allan A. Derzak, director of university parking in Department of University Safety, has retired after 25 years of service.

Prior to working in University Parking, he was employed by the Department of Personnel Services in 1965 as coordinator of the control desk, and was promoted to assistant to the assistant vice president for personnel services.

Since 1985, he has served as manager of University Parking and was later promoted to director of University Parking. His responsibilities included supervising all offices related to parking.

His son, Christopher, graduated from Penn State with a degree in hotel and restaurant institutional management.

During retirement he plans to repair his home, fish, travel and visit his sons.

Soccer coach **James P. McGettigan** has retired from the Penn State Ogontz Campus after 22 years service.

Mr. McGettigan, assistant professor of health and physical education, was responsible for leading the campus soccer team to 14 Commonwealth Campus Athletic Conference championships, an Eastern Pennsylvania Collegiate Conference title, and in 1987 the Pennsylvania Collegiate Athletic State Championship.

While coaching varsity wrestling from 1974-80, Mr. McGettigan was named "Coach of the Year" by his peers at the Commonwealth Campuses. He also led Ogontz's swim team to ten championships when swimming was a CCAC varsity sport, and taught the water safety program for the American Red Cross, for which he earned the Clara Barton Award for 35 years service.

Mr. McGettigan also taught CPR and golf classes at Ogontz, and served as men's athletic director from 1987-89. He published two books on soccer technique, *The Complete Book of Drills for Winning Soccer* (1980) and *Drills and Skills for Individual Team Play* (1987), the first of which was selected as a "book of the month" by the Physical Education Book Society.

Suzanne T. McDaniel, senior scientist in the Systems Engineering Department at the Applied Research Laboratory, has retired after 18 years of service.

Dr. McDaniel first served as a research associate at ARL. She was promoted to senior research associate in 1977 and to senior scientist in 1982.

Wilma M. Heiser, supervisor of library services at the Applied Research Laboratory, has retired after 35 years of service.

Ms. Heiser joined ARL in 1956 as a clerical employee in the Editorial Department. Since 1965, she has worked in the Library.

Lorraine Stanton, library assistant at the Penn State Schuylkill Campus, has retired after 22 years of service.

Upon retirement, Ms. Stanton, a local historian, presented her community files to the campus library.

The files include pictures, newspaper articles and research information, some dating back to 1874. It is filed alphabetically by Schuylkill County community name, thus providing easy access for anyone wishing to do research on any county community.

Also in the collection are hundreds of old and current pictures and postcards.

"By giving the files to the campus," Ms. Stanton said, "I know they will be added to and kept current."

The files will be housed in the Special Collections section of the library along with other county books, Pennsylvania German books, and the O'Hara and Richter collections.

Ms. Stanton was married to the late F.R. Stanton, and has three children: Robert, Dennis and Deborah.

Mariclare E. Lavelle, clinical lab technologist, Hershey Medical Center, from Sept. 2, 1980, until July 14.

George D. Rose, professor of biochemistry, Hershey Medical Center, from July 15, 1980, until July 1.

Alan Smith, senior clerk, University Libraries, from Sept. 18, 1978, until Aug. 1.

Thelma E. Spagnoletti, food service worker, Housing and Food Services, from Jan. 5, 1976, until May 14.

Teresa A. Weaber, nurse clinician, Hershey Medical Center, from June 2, 1980, until Oct. 31, 1981, and from April 8, 1982, until June 16.

Anthony W. Winter, guest room attendant, Nittany Lion Inn, from March 6, 1980, until July 9.

Mary C. Johnson, area representative at Ogontz Campus, from April 24, 1978, until July 1.

Floyd P. Naugle, university physician, Student Services, from Jan. 3, 1977, until July 1.

Peggy A. O'Hara, director of Student Affairs at Penn State Harrisburg, from March 1, 1974, until June 30.

Ruth E. Melcher, clerk records A at Penn State Harrisburg, from May 21, 1980, until June 30.

Wilma M. Heiser, supervisor of library services, ARL, from July 1, 1956, until June 30.

Grace B. Steele, instructional publications designer, Commonwealth Educational System, from Nov. 3, 1980, until May 11.

Vacancies

(Continued from Page 12)

■17646, **Supervisor, Computer Operations, Department of Information Systems** – Responsible to the assistant director, Information Systems, for the overall planning, directing, and supervising the staff and day-to-day operations of the data center. Requires a bachelor's degree in computer science or equivalent training in computer operations, plus two to four years of effective experience, some of which, should include supervising or directing the work of others. STAFF EXEMPT, GRADE 7.

■19265, **Nursing Manager/Evenings, Department of Nursing Administration** – Responsible to the assistant hospital director/director of nursing services for directing, supervising, coordinating and evaluating all activities of the Department of Nursing on assigned off-shift and/or area of responsibility. Requires master's degree plus one to two years of effective hospital nursing experience or bachelor's degree with two to four years of effective hospital nursing experience. Registered professional nurse currently licensed by the Pennsylvania Board of Nursing also required. STAFF EXEMPT, GRADE 7.

Faculty/Staff Alert

State income tax

As a result of the recently enacted increase in the Pennsylvania state personal income tax, mandated withholding rates will change from the current rate of 2.1% to the rates indicated. These rates changes affect the amount withheld from payroll checks.

For pay dates Aug. 19 through Dec. 31, the withholding rate will be 3.5 percent; for Jan. 1, 1992, through June 30, 1992, the withholding rate will be 3.1 percent, and for July 1, 1992, through Dec. 31, 1992, the withholding rate will be 2.8 percent.

The higher rate for the period Aug. 19 through Dec. 31, is, in effect, catch-up. The revised annual tax rate for 1991 will be 2.6 percent. For 1992 the annual tax rate will be 2.95 percent.

Obituaries

Raquel Freeland, former coordinator of minority student services in the College of Education, died Aug. 7. She had been a member of the college staff from 1988 to 1990.

A native of Puerto Rico, Ms. Freeland received her bachelor's and master's degrees in education from Shippensburg University and a normal diploma in elementary education from the University of Puerto Rico.

Prior to joining Penn State, she was a social studies teacher at the William Penn High School in Harrisburg, and had been a consultant and liaison for the Bureau of Curriculum Services in the Pennsylvania Department of Education.

Richard T. West, residence hall maintenance worker, Housing and Food Services, from Sept. 9, 1963, until his retirement April 28, 1976, died July 22 at the age of 80.

Milford O. Eiters Sr., sanitation maintenance worker, Housing and Food Services, from Sept. 18, 1960, until his retirement Oct. 1, 1979, died Aug. 4 at the age of 74.

Focus on Research

New device

University team fabricates first high temperature diamond transistor

A team of University researchers has fabricated the first, high temperature, thin-film diamond transistor, according to Gennady Gildenblat, associate professor of electrical engineering, and Andrzej Badzian, associate professor of solid state science.

The new device, which is still in the experimental stage, can work at 300 degrees Celsius. Transistors amplify signals, perform logic functions and are the central working elements of computer chips.

The single crystal, diamond film transistor was fabricated by Dr. Gildenblat; Dr. A. Badzian; Teresa Badzian, research assistant in the Material Research Laboratory, and Stephen Grot and Chris Hatfield, graduate students in electrical engineering. It was fabricated on crystalline diamond using the silicon dioxide lithography and epitaxial film methods currently used in silicon and gallium arsenide semiconductor manufacturing.

"Diamond films used to fabricate transistors grow relatively quickly," Dr. A. Badzian said. "The film grows within minutes, and the entire process, including lithography, takes about two days."

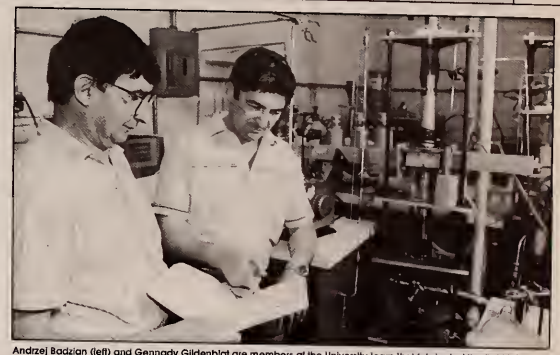
The diamond film was grown using methods originally discovered in the United States, the Soviet Union and Japan. Diamond film research efforts at Penn State were initiated by Rustum Roy, Evan Pugh professor of the solid state, and Russell Messier, professor of engineering science and mechanics. This research program has now grown into the most comprehensive diamond film research program in the United States.

Diamond thin films are made from methane gas in the presence of atomic hydrogen. Using homoepitaxy, layer after layer of atoms are laid down to form a single crystal film. To enhance electrical properties, the thin film diamond had boron atoms incorporated into its structure. This doping allows the researchers to produce semiconductor diamond materials.

Scientists have long known that diamonds have a unique combination of properties that make them potentially superior to any existing semiconductor material for several electronic applications.

"Diamonds are not only potentially better than silicon, but gallium arsenide as well," Dr. Gildenblat said.

Unfortunately, natural or artificial high-temperature and pressure diamonds with reproducible properties suitable for electronic applications have not been readily available.



Andrzej Badzian (left) and Gennady Gildenblat are members of the University team that fabricated the first high temperature, thin-film diamond transistor. (Photo: Greg Grieco)

"A recent Soviet book on electronic applications of bulk diamonds explains how to sort through a myriad of gemstones to find the natural diamonds that are good semiconductors," Dr. Gildenblat said. "Even those that are found are only a few millimeters in diameter and are relatively expensive." Natural diamonds are impractical for wide-scale electronic applications.

In 1987, a University group consisting of Drs. Gildenblat and A. Badzian; Christopher R. Wronski, Leonard professor of electrical engineering; Mr. Grot, Dr. Messier and Ms. Badzian, was the first to fabricate a semiconductor device from diamond thin film. The fabrication of a Schottky diode, was independently confirmed within a few months by Sumitomo Electric of Japan and Lincoln Laboratories at Massachusetts Institute of Technology.

After this first successful attempt, many groups continued work on fabricating electronic devices from thin-film diamonds, motivated in part by the potential for high-temperature diamond semiconductors.

Theoretically, diamond semiconductors could operate at temperatures at least as high as 800 degrees Celsius. Between 1988 and 1989, Penn State and Sumitomo Electric both reported fabrication of simple, thin-film diamond transistors, but these transistors did not function at high temperatures, according to Dr. Gildenblat.

"We think that high temperature diamond semiconductor devices could form the basis of integrated circuits that work at 600 degrees Celsius or higher," he added.

The National Materials Advisory Board's Commission on Engineering and Technical Systems of the National Research Council reported in March that "high-temperature transistors will be particularly advantageous in spacecraft. In unmanned spacecraft, the systems required to cool conventional silicon devices to 125 degrees Celsius could be largely eliminated if operating temperatures of 325 degrees Celsius were permissible. These cooling systems can occupy up to 60 percent of the volume of an unmanned satellite."

"Currently, most of the potential for commercialization of thin-film diamonds is in Japan where there is great interest in wear resistant coatings for cutting tools," Dr. Gildenblat said. "In this country, industry is also interested. Currently, most of the interest in electronic applications of diamonds lies in the Office of Naval Research."

Penn State's research is funded by SDIO/IST through the Office of Naval Research and the Diamond and Related Materials Consortium at the University.

At the moment, the University team can grow single crystal diamond transistors on a diamond substrate.

"We are now gearing up to grow single crystal diamond films on other substrates using something called heteroepitaxy," Dr. A. Badzian said. "We are trying different chemistries and different substrates to solve this problem. When this problem is solved, it will be a major milestone." — A'ndrea Elyse Messer

Staff Vacancies

The following vacancies (ex positions classified as staff exempt or staff nonexempt) have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for illustrative vacancies will be accepted until August 29. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS 11) and in compliance with the University's Affirmative Action Compliance Program without regard to race, color, religion, national origin, handicap, age (as provided by law), sex, or status as a disabled or Vietnam-era veteran.

■01694, Coordinator, Alumni Relations, Engineering, University Park Campus – Responsible to the director of development for the planning, implementation and overall management of various alumni programs in the College, as well as the coordination of the College's alumni constituent society and the Industrial and Professional Advisory Committee. Requires bachelor's degree or equivalent plus two to four years of effective experience and strong writing skills. Experience in alumni relations or public relations preferred. Computer database experience desirable. Excellent interpersonal skills required. STAFF GRADE 7

■01695, Senior Research Asst, Agriculture, Veterinary Science, University Park Campus – Responsible to the faculty member in charge for performing and directing the operation of a variety of specialized technical and research tasks associated with molecular biology. Requires bachelor's degree or equivalent in molecular biology or related field plus one to two years of effective laboratory experience. Masters degree is preferred. STAFF GRADE 5

■01696, Senior Diversity Planning Analyst, Office of the President, Vice Provost, University Park Campus – Responsible to the vice provost for continuous monitoring of institutional research, planning, and analysis associated with the University's goal of promoting and enhancing cultural diversity. Requires bachelor's degree or equivalent in higher education or other educational field, public administration or field related to policy analysis plus two to three years of effective experience in higher education or cultural diversity planning activity. Excellent writing skills and a basic understanding of statistical techniques are essential. Masters degree or equivalent and from one to two years of effective experience is preferred. STAFF GRADE 7

■01697, Supervisor, Housing Services, Housing and Food Services, University Park Campus – Responsible to the manager of assistant manager, Housing Services, for administering and coordinating housekeeping operational functions in assigned residence halls. Requires high school graduation or equivalent, plus one to two years of effective experience. STAFF GRADE 4

■01698, Campus Health Services Nurse, Commonwealth Educational System, Student Programs and Services, Fayette Campus – Responsible to the director of student programs and services for coordinating and providing Health Services programs at the campus within program parameters and guidelines. Requires bachelor's degree in nursing, or equivalent, plus one to two years effective experience in college health nursing, emergency care, public health nursing, occupational health nursing. Must have license as registered nurse in the Commonwealth of Pennsylvania. STAFF GRADE 5

■01699, Program Specialist, Schuylkill Campus, Student Services – Responsible to the advising/counseling assistant for the implementation and coordination of the various functions specified within the Vocational Education Grant: Thinking Non-Traditionally: Advancing Opportunities. Requires bachelor's degree or equivalent plus over one and up to two years of effective experience in areas such as placement, admissions, education, etc. THIS IS A FIXED-TERM POSITION FUNDED THROUGH JUNE 30, 1992. STAFF GRADE 5

■01700, Supervisor, Community Center Operations, CES, Berks Campus – Responsible to the director of academic affairs for supervising employees for instruction, intramural and recreational programs, coordinating publicity and sports information, preparing and setting up athletic, recreation, cultural, special events, coordinating travel associated with the programs. Requires associate degree in recreation and parks, or equivalent to two years of college level training, plus over two years up to and including four years of effective experience. STAFF GRADE 5

■01701, Assistant Director of Admissions - Graduate Admissions and Financial Aid, Behrend College – Responsible to the director of admissions for the administration and coordination of graduate admissions and student financial aid at the Behrend College. Requires master's degree or equivalent in student personnel administration, counseling or public contact field, plus one to two years effective experience. STAFF GRADE 7

■01702, Academic Counselor, Liberal Arts, LA Associate Dean Undergraduate Studies/Advising Center, University Park Campus – Responsible to the coordinator, Advising Center, for the advising of undergraduate non major students, act as liaison to academic departments and student support services, serve as an academic advising resource to college faculty at University Park and Commonwealth Campuses. Requires master's degree or equivalent in counseling, or related field plus one to two years of effective experience. Excellent oral and written communication skills required. THIS IS A FULL-TIME CONTINUING 10 MONTH POSITION WITH MID-JULY THROUGH MID-AUGUST OFF. STAFF GRADE 7

■01714, Assistant Director of Student Organizations and Program Development, Student Services, Student Programs, University Park Campus – Responsible to the director of student activities and religious affairs for the coordination, implementation and execution of programs and for advising and assisting student organizations in program development. Requires master's degree or equivalent, in counselor education, higher education, or other appropriate area, plus two to four years of effective experience in events planning, and implementation. Experience in student organization programming and leadership development is desired. STAFF GRADE 7

■01715, Coordinator, Playbill and Group Sales, University Arts Services, Center for the Performing Arts, University Park Campus – Responsible for developing and maintaining prospective playbill client lists, soliciting playbill advertising and group sales prospects to purchase ads offering space and performance tickets. Requires bachelor's degree or equivalent in marketing, communications, or related field, plus one to two years of effective experience. NOTE: DAY TRAVEL REQUIRED. AUTOMOBILE NECESSARY WITH COMPENSATION MILEAGE. THIS IS A FIXED-TERM POSITION FUNDED THROUGH JUNE 30, 1992, WITH POSSIBILITY OF RE-FUNDING. STAFF GRADE 5

■01716, Supervisor, Intramural/Recreation Operations, CES Allentown Campus – Responsible to the director of athletics for scheduling facilities and personnel for intramural, recreational and instructional programs, for supervising part-time employees and students in carrying out these operations, for planning, organizing and implementing campus intramural programs. Requires associate degree in physical education, recreation or related field plus two to four years of effective experience in athletics and student recreation, or a bachelor's degree and lesser experience. First aid training also is required. THIS IS A FIXED-TERM, NINE MONTH FUNDED THROUGH MAY 1992. STAFF GRADE 5.

■01717, Coordinator, Campus Residential Life, Berks Campus – Responsible for carrying out specific responsibilities for the Residence Hall Program and for the overall supervision of the resident assistants and the resident hall activities. Requires bachelor's degree or equivalent, plus at least one to two years of effective experience, or a master's degree or equivalent in student personnel or related field with three to six months residence hall experience. THIS IS A FULL TIME 10 MONTH LIVE IN POSITION. STAFF GRADE 6

■01718, Coordinator, Underwriting Development, Continuing Education, Media and Learning Resources - WPSX-TV, University Park Campus – Responsible to head of development for identifying, seeking, and developing sources of underwriting grants to support the purchase and production of programs by WPSX-TV and various special programs. Also responsible for drafting underwriting proposals and ensuring they are properly executed. Requires bachelor's degree or equivalent in communications, marketing, or related field, plus two to three years of effective experience. STAFF GRADE 7

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey hot line at (717) 531-6531 by **August 29.**

■17640, Classification Analyst, Department of Human Resources – Responsible to the assistant director, Department of Human Resources, for assisting in the implementation and maintenance of the University's wage and salary classification plans at the medical center and for assigned special projects. Requires a bachelor's degree or equivalent, preferably with some course work in personnel or business administration, plus one to two years of effective experience. Prior experience in job evaluation and classification activity preferred. STAFF EXEMPT GRADE 6

■17644, Manager, Computing Group, Center for Biostatistics and Epidemiology – Responsible for planning and directing the operations of the Data Management and Network System Administration sections. Requires a masters degree in computer science or mathematics or equivalent, plus 4-6 years of effective experience to include some experience as a data processing manager in a clinical trials or other human research setting. Knowledge of SAS and a structured query language required. STAFF EXEMPT GRADE 8

See 'Vacancies' on Page 10.

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Kathy Garman, Calendar

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August 29, 1991 Volume 21, Number 2

Revised budget will not include another tuition increase

In a letter distributed to the University community, President Thomas said he will not recommend additional increases in tuition to make up for the approximately $3 million shortfall between the budget approved by the University's Board of Trustees and what ultimately was approved by the Legislature and the Governor.

"The revised budget proposal I will take to the Board in September will not include another tuition increase," Dr. Thomas said, noting that the administration continues to work hard to avoid further increases to students. In July, the Board approved the administration's proposal to increase tuition $177 per semester for in-state undergraduate Pennsylvania residents. No increase was provided for the computer fee or the tuition surcharges currently in effect.

Dr. Thomas noted that Penn State and Pennsylvania are experiencing the effects of deficits challenging both the federal government and many state governments across the country. Despite this, he said, Penn State is faring better than many of the public institutions it regards as peers.

"I am confident that the budget revisions we will take to the Board will allow continued progress at Penn State.' ——President Thomas

"Still, the need to address shortcomings in Penn State's 1991-92 appropriation has made it very difficult to come to closure on the University's 1991-92 operating budget," he added. "We are now ready to take our recommendation to the Board."

In addition to holding the line on tuition, salary increases will be consistent with the package the Board approved in July. However, the University will not be able to implement salary increases retroactively for the months of July, August and September.

"This approach was chosen," Dr. Thomas said, "because it allows us to maintain a higher overall percentage increase, which will go into all base salaries for future years. I believe this is a better approach than the alternatives, which are to reduce the level of salary increase dollars this year or to raise tuition still further."

The University also will ask deans and unit heads to make some reallocations within the colleges and non-academic units. And targeted cuts will be made in the operating budget approved by the Board in July.

These steps will be outlined in detail to the Board of Trustees at its September meeting.

"Although reducing an already lean budget in light of Penn State's real needs is not pleasant," Dr. Thomas said, "I am confident that the budget revisions we will take to the Board will allow continued progress at Penn State. Our task now is to make the best case possible to the Legislature and the Governor regarding Penn State's appropriation increase for 1992- 93."

Stadium addition will be ready for home opener

The new north end zone addition to Beaver Stadium is nearing completion and University officials said it will be ready for occupancy for the first home game of the season on Sept. 7.

Norman Bedell, assistant vice president for physical plant, reported today that the retrofitting work that was done to repair a series of cantilevers has been accomplished ahead of schedule. Load testing -- involving the placement of heavy weights on the two cantilevers that will carry the greatest loads -- was completed on Aug. 22.

"The load test showed the cantilevers that support the entrance ramp outside the stadium will easily handle the weight they are designed to carry," Mr. Bedell said. "We conducted the tests on the area of the ramp where the most stress would be placed during use of the stadium addition and it came through the tests with excellent results."

The repair work on the cantilevers, begun earlier this month, was necessitated by the discovery of some cracks in the concrete.

To reinforce the cantilevers, four steel roads were attached along the outside of the concrete. The rods are fastened to steel plates that cap both ends of the concrete. The contractor for the stadium addition, H.B. Alexander & Sons, has reinforced all 12 cantilevers.

See 'Stadium' on page 3

The new Beaver Stadium addition overlooks players and reporters at Media Day. (Photo: Greg Grelco)

UNIVERSITY ARCHIVES/PENN STATE ROOM

Appointments

Appointment of **Alfred Barbour, Stuart L. Dance** and **Jack Gido** to the Research and Technology Transfer staff has been announced by **K. Jack Yost,** associate vice president for research and technology transfer

Mr. Barbour, formerly of HRB Systems in State College, has joined the staff of the Sponsored Programs and Contracts Office (SPCO) as a contracts and proposal specialist His responsibilities in SPCO include proposal review, grants management, and monitoring new developments in grants administration at the National Science Foundation.

Mr Barbour received his M.S. degree in psychology from Penn State in 1979 During graduate school, and for three years thereafter, he worked at the Applied Research Laboratory. His primary scientific interest has been in the area of human factors analysis and safety.

Mr. Dance has been named research park marketing director In this capacity he will develop and implement an overall marketing plan for the Penn State Research Park formulate and manage the implementation of individualized marketing strategies for specific park prospects: work with University and non-University officers in coordinating marketing activities, and assist the Research Park Management Company in park business and marketing planning activities.

Coming from industry, Mr. Dance held the position of vice president with Broadband Networks, Locus, C-COR Electronics, HRB Systems, Magnavox, Melpar, Artech, and SECOR. He also has held management positions with Westinghouse Electric, RCA, Curtiss-Wright, and American Electronic Laboratories.

Mr. Dance holds a B.S. degree in aeronautical engineering from Virginia Polytechnic Institute and State University.

Mr. Gido has been named director of the Pennsylvania Technical Assistance Program (PENNTAP). As director, he is responsible for managing and evaluating the statewide program which provides technical assistance to public and private organizations, enabling the client to achieve economic benefits.

Mr. Gido most recently held dual positions as manager of the Industrial Technology Extension Service for the New York Science and Technology Foundation, and as deputy director of the Industrial Effectiveness Program at the New York State Department of Economic Development

Previously, he was manager of the Program Office at Mechanical Technology, Inc., and worked at General Electric as operations and planning manager, Automation Equipment Development Operation: technical plans and programs coordinator, Corporate Manufacturing Engineering Consulting and Applications Center: administration and systems manager, Projects Engineering Operation, and project and contract administrator, Drive Systems Department. He also is the author of two books on project management.

He holds an MBA from the University of Pittsburgh and received his B.S. degree in electrical engineering from Penn State.

Anthony J. Ferraro, distinguished professor in electrical engineering and director of the Electromagnetics Laboratory, has been appointed the first holder of the Robert E. Kirby Endowed Chair in Electrical Engineering.

Dr. Ferraro is known for ground-breaking research focusing on the transmission of extremely low frequency (ELF) radio signals through the ionosphere. He currently is leading a team of scientists and engineers in developing the world's most powerful ionospheric modification facility at Poker Flats, Alaska, which will be used for strategic communications and scientific investigations into the polar ionosphere.

The Kirby Chair was endowed with a joint $1 million gift from Robert E. Kirby, of Pittsburgh, and The Westinghouse Foundation of Pittsburgh. Mr. Kirby, a 1939 Penn State chemical engineering graduate, is a retired board chairman and chief executive officer of Westinghouse Electric Corporation.

Rosa Maria Richardson has been named alumni officer for The Smeal College of Business Administration.

Serving as the assistant to the dean for alumni relations, Ms. Richardson is responsible for overseeing programs for more than 45,000 business graduates of Penn State. She succeeds Barbara Grubb, The Smeal College's first alumni officer, who retired from the University.

Before coming to Penn State, Ms. Richardson served with Leo Burnett Advertising, Chicago. Previously she was director of American Overseas Programs with Youth for Understanding International Student Exchange from 1984 to 1986 and coordinator for the Youth for Understanding International Advisory Council from 1982 to 1984.

In addition, she was a Lyndon B. Johnson Congressional Scholar in the office of Rep. M Caldwell Butler and currently serves as a board member of Good Business Inc., a not-for-profit publication for business managers on environmental issues as they pertain to the workplace

Ms. Richardson holds a bachelor's degree in Latin American studies and Spanish from the University of Virginia and a master's degree in public and private management from Yale University's School of Organization and Management

Everitt Binns has been named director of student programs and services at the Penn State Ogontz Campus.

Dr. Binns has served the University since 1973 as assistant dean of student affairs at the Penn State Hazleton Campus and director of student programs and services at the Penn State Schuylkill Campus.

A 1972 graduate of Penn State, Dr Binns received his B.A in liberal arts and M.Ed. in counselor education, student personnel services in 1973. He recently earned his Ph.D. in educational leadership, organizational leadership, curriculum and instruction from the University of Pennsylvania..

His professional affiliations include the National Association of Student Personnel Administrators, Pennsylvania Association of Student Financial Aid Administrators, Association of College Unions-International, and Pennsylvania College Personnel Association.

Susan E. Lewis has been appointed to the newly created position of journals manager at the Penn State Press.

She previously had served at the Press as copy editor, assistant marketing manager, and information coordinator/marketing.

Ronald S. Koot has been promoted to associate dean for undergraduate programs in The Smeal College of Business Administration. He previously served as assistant dean and faculty director of undergraduate programs.

A Penn State alumnus, Dr. Koot holds master's and doctoral degrees in economics from the University of Oregon. He joined the University faculty in 1966 as an assistant professor of quantitative business analysis.

Now a professor of management science, his teaching and research interests are in applied statistics and econometrics money and banking and financial institutions, managerial economics and economic development.

Dr. Koot has served as director of the U.S.A.I.D.-Penn State-University of the West Indies Project, acting director of international programs and acting assistant dean and faculty director of graduate programs.

He has been editor of the *Journal of Financial Research*, was selected for *Who's Who in Economics: A Biographical Dictionary of Major Economists 1700-1986*, and has received the Penn State MBA Program Excellence in Teaching Award and the Esther Sis Spicher Award for Service to Students

Lakshmana Viswanath has been appointed director of computer and informational systems at Penn State Harrisburg

Mr. Viswanath, formerly coordinator of academic computing at the State University of New York, Cortland, holds an M.S. in computer science from Iowa State University. In his new capacity, he will be responsible for enhancing the use of computer information systems within the Penn State Harrisburg Campus community.

He is a member of several professional organizations, including the Computer Advisory Committee, the Student Computing Access Program, the Academic Computing Sub-committee and the Computer Applications Program.

Alfred Barbour

Stuart L. Dance

Anthony J. Ferraro

Jack Gido

Rosa Maria Richardson

Architect is named for convocation and events center

The joint venture of Haas/Rosser Fabrap/Brinjac, Kambic has been named by Pennsylvania's Department of General Services to design Penn State's $55 million Academic/Athletic Convocation and Events Center.

The venture is composed of John C. Haas Associates of State College, Rosser Fabrap International of Atlanta, and Brinjac, Kambic Associates of Harrisburg.

General Services Secretary David L. Jannetta, who made the selection, informed University officials of his decision Aug. 22.

"The convocation center will be the premier facility of this type in Pennsylvania," Mr. Jannetta said. "Not only will it enhance Penn State's academic and athletic programs, but it also will provide an economic boon to central Pennsylvania."

The joint venture was one of 20 proposals submitted to General Services for the project

"We're pleased with Secretary Jannetta's choice," Steve A. Garban, senior vice president for finance and operations, said. "The venture's partners have the experience that a job of this magnitude requires, and working with a local firm should be a great advantage."

Haas Associates of State College will be on-site administrators for construction and will be responsible for designing interior offices and overseeing grading and drainage

Rosser Fabrap of Atlanta will be responsible for the general design of the center, which will be used for a variety of academic, athletic, cultural and entertainment events. The firm's previous designs have included the Carrier Dome in Syracuse, N.Y.; the University of North Carolina's Dean Smith Arena; Cincinnati's Riverfront Stadium; Atlanta-Fulton County Stadium; Buffalo's Rich Stadium; and the Pyramid Arena, now under construction in Memphis.

Brinjac, Kambic of Harrisburg will design the mechanical, electrical, plumbing and other engineering systems, and the structural engineering of the seating bowl.

The architects estimate that design will require about one year, and construction will take two more years. The architects will submit preliminary sketches of the structure for approval by University officials within several weeks. The center should be operational by the 1994-95 winter sports season.

Haas Associates already has completed more than 40 projects for Penn State. Brinjac, Kambic has experience with about 300 projects at various colleges and universities, including nearly 30 at Penn State.

The 400,000 square-foot structure will contain 16,500 seats and will be the largest indoor arena between Philadelphia and Pittsburgh and the third largest in the Big Ten conference. It will be a multi-use facility for professional meetings, commencements, trade shows and exhibitions, cultural and entertainment events and intercollegiate athletics.

The state legislature has authorized $33.8 million for the project, making it one of the largest now being administered by the Department of General Services. The amount includes about $2 million for architectural fees.

In April, the University launched a campaign to raise $20 million in private gift support for the center. The effort has secured about $7 million in gifts and pledges thus far and is scheduled to run through Dec. 31, 1992.

A recent study by University researchers estimated that the center's three-year design and construction phase will generate $78 million in economic impact and create 375 jobs. The researchers predicted that, when fully operational, the center would be hosting 200 events annually and attracting 1.25 million visitors. This level of activity would result in a $24 million annual economic impact and 500 jobs

Water emergency plans initiated

The University has initiated Water Supply Emergency Plans in compliance with the Pennsylvania Department of Environmental Resources and asks all faculty, staff and students to help conserve water until the drought is over.

"The University has actively taken steps to conserve water for some time, and last year installed a cooling tower in the west campus steam plant that has reduced water use by roughly 260,000 gallons a day through recycling of the cooled water," James M. Wagner, vice president for business and operations, said

The University also has eliminated once-through cooling water at the Pond Cryogenic Facility for a saving of about 35,000 gallons a day and has eliminated once-through water-cooled compressors in the Foods Building for a further reduction of approximately 19,000 gallons a day. Overall these measures represent a 2 percent reduction in water pumped to the University distributed system from fiscal year 1989-90 to 1990-91.

"In addition, said Lloyd Niemann, manager of utility systems engineering, "we are constantly looking at cooling systems to reduce water use as well as implementing ways to reduce personal use of water, such as the flow restrictors now in place in campus residence halls."

This summer's drought is considered to be much more severe in Pennsylvania than the one in 1988. In late July, Governor Casey imposed water restrictions on non-essential water uses in 39 counties in Pennsylvania and has expanded those restrictions to 55 counties. All water systems serving more than 100 service connections were required to submit contingency plans by Aug. 23.

"Fortunately, the University's wells are in good shape for the moment, although we are monitoring them closely as water use increases with the beginning of the semester," Mr. Niemann said. were in session.

In accordance with DER regulations and directions, the University is permitted to use recycled, processed waste water from the treatment plant on flower beds, shrubs and certain athletic fields. The Research Gardens near East Halls may be watered between 5 p.m. and 9 a.m. and the newly seeded areas around construction sites may be watered to 1 inch per week.

The University golf course tees and greens are permitted to be watered between 5 p.m. and 9 a.m., and heat sensitive grasses, such as annual bluegrass and bentgrass, may be syringed or watered for one 15-minute period a day. Necessary overseeding and sodding may also be watered through October.

Stadium

(Continued from Page 1)

"We appreciate the way everyone has pulled together -- the contractor, design firm and our outside consultants -- to address this problem shortly after it was discovered and to provide Penn State with a safe new addition to the stadium," Mr. Bedell said.

The north end zone addition was started at the end of the 1991 football season and has increased the size of Beaver Stadium by 10,300 seats. Penn State now has the second largest stadium located on a college campus in the country, with a capacity for 93,600 football fans.

The project to enlarge the stadium -- which is being funded entirely by gate receipts -- was necessary because of the demand for tickets to football games. The stadium has sold out for the last 77 home games.

Snake charmer

John Groves, of the Philadelphia Zoo, handles two northern water snakes during a conference of herpetologists at University Park. (Photo: Greg Grieco)

Corporate Challenge run/walk scheduled

Centre County's second annual Corporate Challenge 5K Run/Walk will be held Saturday, Sept. 14 at Supelco Park in Pleasant Gap. This year's event sponsored by the Employee Wellness Coalition of Centre County, features a mini-health fair with health assessments, activities and information.

The Fun Walk kicks off at 10 a.m. The run, starting at 9 a.m., is for those with a bit more competitive spirit. A Corporate Challenge Cup will be awarded to the employer with the highest percentage of finishers in both the run and the walk.

The Faculty/Staff Health Promotion Office encourages Penn Staters and their families to participate in the walk or run and to take advantage of the health fair and other activities.

To be eligible for team awards in the run or the walk, all team members must pre-register by Sept. 10 and must be employees or dependents of Penn State. On-site registration also will be available beginning at 8 a.m. on Sept. 14. The first 700 pre-registered participants will receive long-sleeved t-shirts.

At University Park, registration forms are available at the Recreation, Intramural, and White buildings, the Natatorium and the Faculty/Staff Health Promotion Office on the third floor Rider Building. For more information, call the Faculty/Staff Health Promotion Office at 865-3085

25-year award recipients

Shelton S. Alexander

John J. Cahir

Peter Deines

John A. Dutton

David P. Gold

Observing 25 years of service in the College of Earth and Mineral Sciences are, from left, Shelton S. Alexander, professor of geophysics, John J. Cahir, professor of meteorology and associate dean for resident instruction; Peter Deines, professor of geochemistry; John A. Dutton, professor of meteorology and dean of the college, David P. Gold, professor of geology.

Obituaries

David L. Young, professor emeritus of landscape architecture, died Aug. 1. He was 62.

A native of Cape Cod, Mass., he received two baccalaureate degrees from the University of Massachusetts and a master's of landscape architecture from Harvard University Graduate School of Design.

Professor Young joined the faculty of Louisiana State University in 1967 and joined Penn State in 1972 as head of the Department of Landscape Architecture. He retired in 1989.

While at Penn State, he developed the first teaching aids for technical aspects of the landscape architecture discipline. He was a governor's appointee to the state Board of Landscape Architects, and he served on both the State College Borough Design Review Board and the Planning Commission.

Professor Young was a Fellow of the American Society of Landscape Architects and was the society's secretary. He served as a board member and president of the Landscape Architecture Foundation.

Joseph G. O'Mara, professor emeritus of biology, died July 12 at the age of 79.

A native of Boston, Mass., Dr. O'Mara received a B.S. degree from the University of Massachusetts and M.S. and Ph.D. degrees from Harvard University.

He joined the University in 1965 as professor and head of the Department of Botany in the newly formed College of Science. The Department of Biology came into being in 1967, with Dr. O'Mara as its first director, when the departments of Botany and Zoology were merged.

A specialist in genetics, Dr. O'Mara was professor and chairman of the Department of Genetics at Iowa State University for 15 years prior to coming to Penn State. He began his career at the University of Missouri. He retired from Penn State in 1977.

Joseph A. Cessna Jr., food preparer, Housing and Food Services, from Oct. 1, 1948, until his retirement Oct. 1, 1986, died July 18 at the age of 70.

Elda J. Funk, nutrition education adviser, College of Agriculture, since June 6, 1988, died June 25 at the age of 74.

Robert L. Eyerly, utilities analyst, Office of the Physical Plant, from March 16, 1963, until his retirement July 1, 1974, died June 19 at the age of 80.

Roy C. DeLong, janitorial worker, Office of the Physical Plant, from May 15, 1973 until his retirement Dec. 1, 1985, died July 3. He was 70.

George C. Peters, residence hall worker Housing and Food Services, from Sept. 5, 1961, until his retirement on disability Oct. 1, 1972, died July 2 at the age of 79.

Carpoolers

Janet would like a ride from Pleasant Gap to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-4641 or 359-4143.

Ride wanted from Rt. 26 and Struble Road, near the Nittany Mall, to the University. Work at 8 a.m. Call **Kathy** at 234-6904.

News in Brief

Equipment grant
For the third time in a four-year period, WPSX-TV has been awarded a equipment grant from the U.S. Department of Commerce. The $77,177 grant came from the department's National Telecommunications and Information Administration's Public Telecommunications Facilities Program.

The award, which will be matched with non-federal funds from the station, will be used to replace both production control and broadcast control switchers at the station.

Child care listings
The fall 1991 edition of the *State College Area Child Care Facilities* listing is now available. Updated each semester, this publication includes information on about 30 different facilities which provide childcare in the immediate vicinity of University Park.

The pamphlet, produced by the Graduate Student Association (GSA), is available free of charge. GSA, located in 111B Kern Building, is open from 9 a.m. to 5 p.m. Monday through Friday. Telephone: 865-4211.

Pennsylvania population trends
Gordon F. De Jong, professor of sociology and director, Graduate Program in Demography, will speak on "Pennsylvania Population Trends: An Overview from The 1990 Census" at noon, Wednesday, Sept. 11, at the Penn State Downtown Center, Harrisburg.

His talk will overview key findings from data that have been released to date from the 1990 census for Pennsylvania, and address questions about the quality of census data for public policy decision making.

Directory Assistance hours
The Penn State Information and Directory Assistance hours for Labor Day, Sept. 2, are 8:30 a.m. to 4:30 p.m.

The office will resume normal hours of 7:30 a.m. to 11 p.m. on Tuesday, Sept. 3.

Volunteers sought
The Center for Locomotion Studies (CELOS) is actively seeking nondiabetic men and women between the ages of 40 and 70 to participate in a research project on falls and gait. Nondiabetic volunteers are needed for comparison purposes with diabetic individuals.

In addition to helping research on diabetes, volunteers will have their feet and legs examined for sensitivity, strength and flexibility. If you are interested, call Mary Becker, 865-1972.

Marital enrichment seminars
The Individual and Family Consultation Center is offering two marital enrichment seminars to be held Saturdays and Sundays Sept. 14-15 and Nov. 2-3 at University Park.

They are designed to show couples how to deal with issues that arise from differences in needs, opinions and values; to become a more effective helpmate for each other in dealing with doubts, conflicts, and decision-making; and how to restore or build exceptionally high levels of trust and affection.

The seminars will be conducted from 9 a.m. to 5 p.m., each day in room 101 Henderson Building East. For more information or to enroll, call Joanne Kempher at the Individual and Family Consultation Center (814) 865-1731.

Dual-degree program
Penn State Erie, The Behrend College, and Edinboro University have signed an agreement to begin a dual-degree program which links the institutions' liberal arts and engineering curricula.

Students enrolled in the new program will spend three years at Edinboro followed by two years of study at Penn State-Behrend. Upon completion of the five-year program, students will be awarded a bachelor of arts degree in natural sciences and mathematics or physics from Edinboro and a bachelor of science degree in electrical or mechanical engineering from Penn State.

University Park Calendar

August 29 -- September 8

Special Events

Thursday, August 29
Open forum with James B. Stewart, vice provost for underrepresented groups, 8 a.m. to 9 a.m., Paul Robeson Cultural Center
Friday, August 30
School of Music, 8 p.m., Recital Hall, Armstrong, Flute and Percussion Duo
Saturday, August 31
Shaver's Creek, Ohiopyle Trek, 8 a.m.-7 p.m., through Sept. 1. Call 863- 2000.
Thursday, September 5
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.
Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays, with Jeff Ballou. "Creative License," 12:30 p.m. Thursdays

Seminars

Tuesday, September 3
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. C. Forbes Dewey, Massachusetts Institute of Tech., on "Effects of Flow Separation and Reattachment on Vascular Endothelial Cells."
Veterinary Science, A.L. Bortree Lecture Series, 3:15-4:10 p.m., 118 Ag Sciences and Industries. Dr. Ernest E. McConnell, consultant in toxicology and pathology, on "The Design, Conduct and Interpretation of Fiber Toxicity Studies." Refreshments, 3 p.m.
Chemistry Colloquium, 3:30 p.m., 55 Osmond. William A. Steele on "Computer Simulation of Physical Adsorption: Learning About Films."
Graduate Program in Nutrition, 4 p.m. 108 Tyson. Lynne Brown on "The Use of a Formative Evaluation in an Impact Study."
Wednesday, September 4
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Marilyn Lupe, Univ. of Mich., on "Analyzing the Variance Investigation Decision: The Effects of Hindsight, Mental Accounting, and Framing."

Exhibits

Chambers Gallery
School of Visual Arts, 2 and 3 Dimensional Design Projects, through Sept. 27.
HUB Galleries
Formal Gallery:
■ AFRICOBRA: The First Twenty Years, from Sept. 3- 29.
Kern Galleries
Diane McNeal, weaving, through Sept. 27
Leah St-Blancard, stained glass, through Sept 27
■ Wendy Snebinger, African Safari: an adventure in photography, through Sept. 27
Palmer Museum of Art
The Permanent Collection: From Floor to Ceiling, Sept. 1.
Pattee Library
East Corridor Gallery:
Ginny Davis Baggett, Silkscreen prints, through Aug. 29
Lending Services Gallery:
Chris Hughes, "Retropuzzle," through Aug. 29
Penn State Room:
"IRB: 100, John R. Bracken and the Development of Landscape Architecture at Penn State," through Sept. 30
Zoller Gallery
Ultra Media, through Sept. 29

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather, 234; Arts Line, 345; University Calendar, 456.

■ **Reflects an international perspective**

Focus on the arts

Bach's Lunch

Smith Toulson and Timothy Shafer, both School of Music faculty members, will perform in concert at 12:10 p.m. Thursday Sept. 5, in the Eisenhower Chapel at University Park. The 20-minute concert opens the 1991-92 Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will feature two new works for clarinet and piano, Robert Muczynski's "Time Pieces" and Joan Tower's Rhapsody.

The audience is invited to bring a brown bag lunch to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Ticket discounts

University students can purchase half-price tickets to selected Center for the Performing Arts shows for one day only, Thursday, Sept. 12, from 8:30 a.m. to 3 p.m. in Eisenhower Auditorium at University Park.

Students will receive a one-half discount on regular adult prices to the following events: Vladimir Viardo; Bamberg Symphony Orchestra; "Blood Knot;" Ballet Folklorico de Mexico; "M. Butterfly;" Phoenix Dance Company; Stamic Quartet of Prague; Les Grands Ballets Canadiens; "A Christmas Carol;" Jiiro Czechoslovak Girls' Choir; Vienna Choir Boys; Bartok Quartet; Limon Dance Company; Betty Carter; "Barnum" (matinee only); Berodin Trio; Hugh Masekela; Yefim Bronfman; DanceBrazil; and Andre Previn, conducting the Dresden Staatskapelle.

Students must present ID before purchasing tickets; ID holders must purchase tickets in person. Orders will be limited to one ticket per ID, per event. Discounts apply to seating in Sections 2 and 3 only. Tickets and seating are subject to availability.

HUB exhibit

"AFRICOBRA: The First Twenty Years" will be on exhibit from Sept. 3 to 29 in the HUB Formal Art Gallery at University Park.

AFRICOBRA, an acronym for African Commune of Bad Relevant Artists, began as a group of eight people who, in 1968, convened to develop an African-based aesthetic that artistically represents the revolutionary spirit of the time.

The AFRICOBRA aesthetic is often compared to that of American jazz for its ability to successfully fuse elements of African culture into a patchwork design, and through the artistic process, to create a pace for the African in American society.

According to art historian Nubia Kai, "after 21 years...AFRICOBRA has clearly evolved a style of painting and design unlike any found in the United States. The use of polyrhythmic compositions, bright colors, free symmetry, lost-found like, luminosity, elaborate pattern...successfully challenged Western concepts of art, like Black musicians had always done: by simply playing their own tune."

AFRICOBRA is sponsored by the Office of Union Programs and Operations with the support of the Equal Opportunity Planning Committee.

'Art to Go'

"Eve," a sculpture by Franz Barwig, will be on display for the month of September in the lobby of the Calder Way and Allen Street branch of Peoples National Bank in State College.

The exhibit is part of the "Art to Go" exhibition conceived by the Friends of the Palmer Museum of Art in collaboration with Peoples National Bank. Each month, a different piece from the museum's permanent collection will be on display.

The "Art to Go" exhibition complements "The Permanent Collection from Floor to Ceiling" on view on the second floor of the museum during construction of the new wing.

Created about 1915 by Barwig, the gilded limewood sculpture is the gift of Jane and Nelson Wood and the Friends to the museum's permanent collection. Barwig's interpretation of Eve contemplating the original sin is taken from Genesis 3:7. Most typically represented with Adam, Eve often is found as a solitary figure in early 20th-century art.

Barwig, known for his more complex compositions with multiple-figure groups, uses a more simple design in a naturalistic depiction for "Eve." His personal style stems from his early exposure to folk art, his artistic training in Austria and his response to the turn- of-the-century Vienna Secessionists.

WPSX added to TIPS

The daily evening schedule of programs appearing on WPSX-TV, Channel 3, can now be accessed by telephone 24 hours a day via TIPS-Information Penn State, a computerized information system.

The WPSX-TV Evening Schedule Line was added to the TIPS roster to furnish viewers of Channel 3 with updated program information seven days a week, according to Greg Petersen, head of promotions at WPSX.

To access the WPSX-TV Evening Schedule line by telephone, dial (814) 863-1234 and follow the instructions given. The WPSX-TV message number is 777.

WPSX-TV honored

WPSX-TV, Channel 3, has been honored by the Public Broadcasting Service, (PBS) for two special educational projects produced by the station during the 1990-91 season.

The 1990 *Reading Rainbow Newspaper Contest*, sponsored in part by 17 central Pennsylvania and southwestern New York newspapers, was named winner of a PBS National Promotion and Advertising Award in the category of community outreach.

The purpose of the contest was to familiarize children with the newspaper and to prevent the loss of basic reading skills during the summer months. Last year, a total of 697 children participated in the contest and 332 were awarded with grand prizes for completing all seven weekly activities.

WPSX also was recognized by PBS President Bruce Christensen for its coverage of the Gulf War. *Understanding The Middle East: A What's in the News Special*, produced by WPSX for national distribution, helped children to understand the war by explaining the history of conflict in the Middle East.

Penn Staters

Tonia K. Devon, coordinator for the University Scholars Program, has been elected to the Executive Committee of the Peace Studies Association.

Ronald Filippelli, professor and head of the Department of Labor Studies and Industrial Relations, gave invited lectures at Strathclyde University, Glasgow, Scotland, and the International Congress in honor of Eugenio Battisti in Milan, Italy.

Robert Lima, professor of Spanish and comparative literature, and fellow of the Institute for the Arts and Humanistic Studies, gave an invited paper titled "Three The Mystical Integer in Valle-Inclan's La lampara maravillosa" at the International Congress on Semiotics of the Mystical Text in L'Aquila, Italy.

Jeanne M. Lutz, retired assistant professor of speech communication, has received the "Outstanding Speech/Drama/Debate Educator Award" from the National Federation Interscholastic Speech and Debate Association.

Joseph McGahen, professor emeritus of agronomy, has received the Career Service Award from the Northeast Branch of the American Society of Agronomy.

Daniel Pfaff, associate dean of resident education in the School of Communications, has received the Taft Award as the top adviser of the year from the Association for Education in Journalism and Mass Communication.

Patricia Powley, multi-county extension agent in Dauphin County, has received the 1991 Continued Excellence Award from the Pennsylvania Association of Extension Home Economists.

C.R. Rao, holder of the Eberly Family Chair in Statistics and professor of statistics, delivered the keynote address, "Asymptotic Distribution of Statistics Based on Quadratic Entropy and Bootstrapping," at Statistics '91 Canada, the Third Canadian Conference in Applied Statistics, in Montreal, Quebec.

Clayton O. Rudd, professor of industrial engineering, co-chaired the 5th International Symposium on Nondestructive Characterization of Materials in Karuizawa, Japan.

William Tierney, associate professor of education, presented an invited paper, "Ethnography and Empowerment: Studying 'Difference' in Higher Education," at the North American Conference on Education and Ethnography in Mexico City.

Paul J. Wuest, professor of plant pathology, presented an invited lecture on the resistance of button mushroom strains to disease at the International Seminar on Mushroom Science, Mierlo, Netherlands.

Craig A. Bernecker, assistant professor of architectural engineering, has been elected vice-president of technical and research activities of the Illuminating Engineering Society of North America.

Jesse L. Barlow, associate professor of computer science, served as a visiting scholar at the University of Naples, Italy. He also gave invited lectures at the Consiglio Nazionale delle Recherche and the IBM European Center for Scientific and Engineering Computing in Rome and spoke at the University of Pisa's Department of Computer Science.

A.W. Castleman Jr., Evan Pugh professor of chemistry, gave an invited lecture titled "Magic Numbers in Atomic Cluster Ions: Energetic Electronic, and Structural Effects" at the International Conference on Nuclear and Atomic Clusters in Turku, Finland.

Richard Fox and **Thomas Watschke**, professors of soil science, have been selected as 1991 American Society of Agronomy fellows.

S.I. Hayek, professor of engineering mechanics, presented a seminar titled "Recent Developments in Structural Acoustics" at the Middle East Technical University in Ankara, Turkey, and gave a lecture titled, "Structural Dynamics and Vibrations Research" at the Istanbul Technical University in Turkey.

Thomas Litzinger, associate professor of mechanical engineering, **Robert Santoro** and **Domenic Santavicca**, professors of mechanical engineering, have received a $34,475 Engineering Equipment Grant from the National Science Foundation for the purchase of a dye laser system. It will be used to study NO formation in an optically accessible diesel engine and chemical reactions that produce engine knock.

John D. Matthews, professor of electrical engineering, and director of the Communications and Space Science Laboratory, has been named chairman of the Arecibo Advisory Board and Visiting Committee, which sets policy and oversees research and planning at The Arecibo National Astronomy and Ionosphere Center in Arecibo, Puerto Rico.

Gary L. Mullen, professor of mathematics and associate dean for research and the Commonwealth Education System in the Eberly College of Science, was an invited lecturer at the University of Tasmania, in Hobart, Tasmania, Australia. He also gave talks at several universities in Austria and at the Austrian Academy of Sciences in Vienna.

Austin J. Jaffe, professor of business administration, presented the paper, "Efficiency and Equity under Alternative Housing Systems," at an international housing research conference in Oslo, Norway.

Sister Sandra A. Yost, assistant professor of engineering at the Penn State Beaver Campus, has received the 1991 Dew Outstanding Young Faculty Award for her involvement in curriculum and/or course development, ability and opportunity to communicate with colleagues, teaching ability, and involvement in American Society for Engineering Education activities.

Promotions

Staff Exempt

Michael S. Chornak to systems programmer/hardware support analyst at Hershey.
William M. Holahan to assistant director for clinical services in Student Services.
Cindy J. Hummer to coordinator, quality assurance at Hershey.
Barbara B. Impelliteri to conference coordinator-team leader in Continuing Education.
Angela D. Janey to financial analyst/staff assistant in Corporate Controller's Office.
Bruce N. Kline to director, university parking, in University Safety.
Anja C. Lucas to front office supervisor in Nittany Lion Inn.
Della R. Patterson to undergraduate studies, admissions counselor at Behrend College.
William N. Peck to supervisor, PMSD, design/fabrication in Applied Research Lab.
David A. Reed to senior applications programmer-analyst in C&IS- Management Services.
Donna M. Ricketts to conference coordinator-team leader in Continuing Education.
Keith R. Shaffer to project associate in Agriculture.
Ronald F. Stoltz to director of continuing education at New Kensington Campus.
Stephen R. Umpirowicz to coordinator, computer and information systems at New Kensington Campus.
Sherry F. Walk to assistant to the director, education in Office of the President.
Deborah C. Walsh to manager, marketing and communication in Housing and Food Services.

Staff Non- Exempt

Tod C. Allen to police service officer at Behrend College.
Cheryl A. Blaha to clinical head nurse at Hershey.
Lisa E. Gard to clinical head nurse at Hershey.
John E. Harrington to police service officer at Behrend College.
Susan M. Pilegga to program coordinator, eye bank at Hershey.
Kathleen T. Terry to surgical head nurse at Hershey.

Clerical

Christine L. Bundy to accounting clerk in Liberal Arts.
Diani L. Catherman to secretary B in Continuing Education.
Carol A. Corman to insurance clerk in Corporate Controller's Office.
Andria L. De Angelo to bed control clerk at Hershey.
Karen D. Dreibelbis to accounting clerk in Agriculture.
Florence E. Dunlop to secretary B in Health and Human Development.
Pamela K. Gudeman to secretary B in President's Office.
Karen R. Homan to secretary A in Arts and Architecture.
Eileen K. McConnell to secretary B in Eberly College of Science.
Jodi R. Meyer to accounting clerk in Science.
Veronica M. Miller to secretary B in Research and Graduate School.
Denise J. Surovec to senior accounting clerk in Liberal Arts.
Nancy J. Witmer to secretary A in Research and Graduate School.

Technical Service

Jeff E. Armstrong to mechanic, experimental and maintenance in College of Engineering.
Ronald L. Eaken to machinist A in College of Engineering.
Wayne A. Gates to groundskeeper, landscape A in Office of Physical Plant.
R.M. Hoy to heating and ventilating technician in Office of Physical Plant.
Charles R. Light to environmental health worker/group leader at Hershey.
Robert A. Richardson to electrician A in Office of Physical Plant.
Samuel A. Vonada to animal caretaker A in Research and Graduate School.
Robert L. Whitehead to maintenance worker utility at Hazleton Campus.

We all knew it: College towns are the future

College towns are not necessarily the sleepy, little communities depicted by Hollywood, but instead, they may be the quintessential cities of the 21st century, according to a Penn State geographer.

"The image of the University is Hollywood's ivory tower complete with pipe smoking, leather elbow-patched professors in tweeds and bright-eyed, fair-haired students wearing football sweaters and looking like cheerleaders," says Peirce Lewis, professor of geography. "Or, the image is of the dark side of campus life as portrayed by Animal House or Porky's.

"I am convinced that at least some college towns are very much the real world." In fact, they are a whole new class of city designed for the 21st century."

According to Dr. Lewis, many large research universities have created the essential framework for processing the entire gamut of information needed in the post heavy-industry stage of economics that the country is currently entering.

Increasing numbers of college towns have the critical mass of brains and an existing infrastructure to support the information age and the physical amenities in a community sought by people. They are not burdened by obsolete leftovers of the industrial age, such as factories or extractive industries.

"Examples of emerging 21st century towns include Chapel Hill, N.C., home of the University of North Carolina; College Station, Texas, home of Texas A&M University; Amherst, Mass., home of Amherst College and the University of Massachusetts, and State College, home of Penn State," he says.

"While Berkeley, Calif., home of the University of California, Berkeley, may have been the paradigmatic 20th-century college town, it is now so mature that it no longer fits the mold. State College, however, while not the first, may be the purest form of College Town, U.S.A.

"If you could start with a blank slate and design a city for the 21st century, State College is the type of town that you would be building."

In reality, State College did start as a blank slate in 1858 when 200 acres for the Farmer's High School were selected in the geographic center of Pennsylvania. The nearest town was Bellefonte, the Centre County county seat located about 10 miles away.

Eventually, Farmer's High School became the Pennsylvania State College and then the Pennsylvania State University. After World War II, State College began to overshadow Bellefonte in economic domination of the area.

"State College has gone from hamlet to small town to medium-size city and is now challenging the next higher level of settlement," Dr. Lewis notes. "Now it is starting to take over from Altoona, Johnstown and Williamsport, three essentially 19th-century cities based on coal, steel and lumber, respectively."

Evidence for this change is becoming obvious, according to the Penn State geographer.

"You can now fly from State College directly to Dulles, Baltimore, Pittsburgh and Philadelphia, four of the largest airports in the country," Dr. Lewis says. "The number of flights arriving and departing the University Park Airport also has increased dramatically, outnumbering takeoffs and landings at Williamsport or Altoona."

Another indication is television station identification. Although State College is served by Altoona and Johnstown stations, these stations now identify themselves as serving the Altoona, Johnstown and State College areas.

Shopping, medical care and more variety in banking are other signs of changes in State College's economic scope. According to Dr. Lewis, these facilities tend to come in clumps with multiple shopping centers or stores appearing together.

"A good indication of changes in a town is the Yellow Pages," he notes. "The State College telephone book is now quite hefty, resembling big city suburban books.

"From 1858 when State College began till about 1965, the ratio of students to townspeople remained one to one and nearly everything was either campus related or a campus spinoff. Within the last 10 years, the population has reached critical mass and, while 20 years ago Penn State's removal would have left nothing, today there is a significant population not directly dependent on the University."

Peirce Lewis in the Allen Room overlooking downtown State College.
(Photos by Greg Grieco)

An example is the proliferation of retirement communities that house people who are not university employees or not dependent on the University, but chose State College because of the amenities available surrounding and through the University.

— A'ndrea Elyse Messer

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **September 5. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program without regard to race, color, religion national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam era veteran.

■01728, Supervisor of Student Transcripts, Academic Services, University Park Campus – Responsible to the director of academic records for the supervision of student transcript operations and for the coordination of all related processes. Supervise and train clerical work force to ensure adequate control of student record actions and all phases of transcript production prepare statistical and financial reports for planning and projection control. Requires associate degree in business administration, or equivalent plus two years of related effective experience with student records and supervisory experience and excellent interpersonal skills. STAFF GRADE 5

■01729, MBA Counseling Services Coordinator, The Smeal College of Business Administration, MBA Program, University Park Campus – Responsible to the director of corporate and career services for the coordination of graduate student career counseling and placement activities for counseling students in career and placement matters and for assisting in the administration of the corporate associates program. Requires bachelor's degree or equivalent in business administration or related field plus one to two years of effective experience. MBA or related graduate degree preferred. STAFF GRADE 6

■01730, Assistant Coach, Softball, Intercollegiate Athletics, University Park Campus – Responsible to the head softball coach for performing/assisting with a variety of administrative and coaching duties to include planning and organizing recruiting campaigns, coordinating game and tournament arrangements, assisting with clinics and workshops, providing counseling and guidance to team members, assisting in organizing and conditioning team practices etc. Requires bachelor's degree or equivalent, plus up to one year of effective softball coaching experience. STAFF GRADE 5

■01731, Learning Disability Specialist, Undergraduate Education, Academic Assistance Programs, University Park Campus – Responsible to the coordinator, Office of Disability Service, for planning, organizing and providing services to students with learning disabilities, for developing and monitoring academic support programs for students, for working with colleges to arrange test accommodations and course substitutions. Requires master's degree in special education, school psychology, communication disorders or related field plus one to two years of effective experience, some of which should be supervisory in nature. A doctorate is preferred. STAFF GRADE 7

■01732, Admissions Counselor II, Undergraduate Education, Undergraduate Admissions Office, University Park Campus – Responsible to the director, Division of Minority Admissions and Community Affairs, for general assistance in handling the more complex admissions matters in an assigned functional area. Participate in and administer admissions activities as assigned. This could include freshmen, advanced standing, transfer readmission, baccalaureate or associate degree candidates. Requires bachelor's degree or equivalent plus one to two years effective experience in educational administration or in related field such as industry or military service. STAFF GRADE 6

■01733, Director of Business Services, Commonwealth Educational System, Mont Alto – Responsible to the campus executive officer for the control and supervision of business services and operations including overseeing and coordinating the operation construction, alteration repair and maintenance of campus buildings and grounds coordination of human resources matters and programs operation of certain auxiliary enterprises; safety and security, campus mail, and telephone and utility services. Requires bachelor's degree, or equivalent, in business administration, or related area, plus four to five years effective experience in building and grounds maintenance, construction and human resources management, as well as supervisory experience. STAFF GRADE 8

■01734, Assistant Director of Student Programs and Services/Residence Life, Commonwealth Educational System, Hazleton Campus – Responsible to the director of student programs and services for coordinating and administering campus-wide student activities and for carrying out various responsibilities for the Residence Hall Program. Responsible for training and supervising the residence hall staff and for the programs for residence hall students. Assist with the administration of the Conduct Standard System. Requires master's degree or equivalent, in student personnel administration or related field, plus over one year up to and including two years of effective experience. STAFF GRADE 7

■01735, Program Director, York Campus, Academic Affairs/Continuing Education – Responsible to the director of academic affairs and the director of continuing education for directing and overseeing the operation of the York Mathematics Opportunity in Engineering Science and Technology Program (MOEST), for assisting and planning local educational support programs and for coordinating various programs with school district personnel, business and industry, community organizations and University faculty and staff. Requires master's degree, or equivalent, plus one to two years of effective experience in development and supervision of the implementation of educational programs. Strong communication skills also required. STAFF GRADE 7.

■01736, Applications Programmer/Analyst, Computer and Information Systems, Management Services, University Park Campus – Responsible to the designated project leader for conducting analyses of data processing and customer concerns, determining detailed systems problems, and preparing computer programs to satisfy desired end results. Assists in providing direction and control within specifications of project schedules. Requires bachelor's degree, or equivalent, in basic computer systems plus one to two years of effective experience in computer programming and analysis. STAFF GRADE 6.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey or call the Hershey bid line at (717) 531-8531 by **September 5.**

■17628, Pharmacy Office Coordinator, Department of Pharmacy Services – Responsible to the manager of pharmacy for the supervision of clerical employees, administering Pharmacy budgets, overseeing changing mechanisms and programs, and a variety of other administrative functions. Requires an associate degree or equivalent, with knowledge of accounting/billing procedures plus 1-2 years of effective experience. Previous experience in a pharmacy environment preferred. STAFF NONEXEMPT GRADE 4

■17282, Utilization Review Specialist, Healthpax – Responsible to the medical director and director of Healthpax for the review of hospital admission and discharges, as well as the documentation of the patterns of utilization for physician and hospital providers. Requires a bachelor's degree, or equivalent, in an allied health field (med tech, respiratory therapy, etc.) or in nursing, with a minimum of two years effective clinical hospital experience, preferably in a utilization review setting. STAFF EXEMPT, GRADE 6

■15214, Clinical Head Nurse, Department of Nursing/6 Medicine – Responsible to the nursing manager and/or the assistant director of nursing services for performing a variety of nursing duties, as well as providing leadership to nurse clinicians and other patient care personnel. Requires registered nurse with a current license to practice professional nursing in Pennsylvania, plus one to two years of effective nursing experience. Bachelor of science in nursing preferred. STAFF NONEXEMPT, GRADE 5

Continuing Education initiative

The creation of a network of scholars and researchers interested in the field of continuing education is the goal of a new initiative from Penn State Continuing Education.

As part of this initiative, administrators plan to establish a fund to provide modest research grants, awarded on a competitive basis, to support research on continuing higher education and related topics. A committee will be appointed to develop a review system for proposals from faculty and staff members.

To bring together faculty and staff members interested in the field, Continuing Education also plans to hold twice-yearly seminars to discuss some aspect of current research.

If you would like to become part of this network and receive more information about upcoming meetings and the research grant program, contact Donna S. Queeney, director of research and external relations, at 210 Keller Building, phone (814) 863-7752.

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William E. Campbell Jr., Editor
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Kathy Garman, Calendar

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INTERCOM

September 5, 1991 Volume 21, Number 3

Sidney Friedman to be honored by the Renaissance Fund

Sidney Friedman, well known State College community leader and businessman, has been named as this year's Renaissance Scholarship Fund honoree.

The fund benefits financially needy students with strong academic records.

"Sid's name is at the top of the list of those who have made the Centre Region a better place to live," Barbara Palmer, president of the fund's board of directors, said. "I am pleased and proud that the fund is honoring him this year."

Mr. Friedman, who graduated from Penn State in 1944 with a degree in journalism, first established himself in the advertising business in State College. Later, as one of the most successful real estate developers in downtown State College, he became widely known for his strong efforts to revitalize the area and create a liveable, prosperous community.

He has won respect from both town and gown for his leadership in the Centre Region's growth and development, and for his years of service to the University.

"Sid Friedman is a sterling example of how a single individual can make a difference in the life of a community," President Thomas said. "The effects of his quiet and sustained leadership are evident in the town and at the University. Knowing him and his wife, Helen, is among the special pleasures of living in central Pennsylvania."

Mr. Friedman was awarded the College of the Liberal Arts Alumni Service to Society Award in 1978 and the Distinguished Alumnus Award in 1989. The Borough of State College has awarded him the Legacy Award for his contribution to the quality of life in the community.

He also has served in leadership roles in various University fund-raising campaigns. He was co- chairman of the Centre County regional major gifts effort of the Campaign for Penn State, and then helped to lead a successful campaign to raise $1 million to endow a chair in Jewish Studies. He is now chairman of the Centre Region portion of a nationwide campaign to raise $20 million in private funds for the proposed Athletic/ Academic Convocation and Events Center.

"I have marveled at the impact this man has had on the life of this community," State College Mayor Arnold Addison said. He has always been ahead of the crowd in planning for community growth."

Mr. Friedman worked as advertising manager of the Centre Daily Times upon graduating from Penn State, and then joined State College's first radio station as commercial manager.

He founded Commercial Printing and Nittany Advertiser (now Morgan Signs) in 1948. Over the next 15 years he developed these into the region's largest printing and outdoor advertising companies. He also founded College Science Publishers, producing numerous books.

With the growth of the University and State College, he began to develop real estate, and was responsible for much of the commercial growth and vitality of the downtown.

See 'Friedman' on page 3.

Sidney and Helen Friedman (Photo: Greg Grieco)

United Way designated as major fund-raising agency

United Way has again been designated as the one major, voluntary community charitable fund-raising agency at University campuses.

As outlined in official University policy (AD-6), the president of the University annually authorizes one major, voluntary fund-raising effort for which contributions may be made through direct giving or payroll deduction. This authorization also includes the use of University mail for information. It is estimated that more than 75 percent of employees who contribute to United Way do so through payroll deduction.

In announcing United Way as the chosen charitable organization, President Thomas said, "United Way organizations support many agencies whose services fit the needs of the communities in which they're located. When we consider that Penn State campuses are located in 22 areas around the state, it is fitting that we chose United Way. These agencies help Penn State employees and their neighbors."

United Way

It brings out the best in all of us.®

Again, Dr. Thomas says, agencies seeking United Way support apply and are reviewed by volunteer citizens, many of whom are Penn Staters, in the community where they are located. Allocations to member agencies are made in the same manner.

Not all charitable organizations are involved in United Way. For example, several of the larger and nationally operated fund-raising drives solicit funds on their own. Your local United Way or campus chairperson can tell you the names of the agencies funded in your area and provide the names of persons serving on the allocations committees and agency boards.

United Way campaigns are traditionally conducted each fall. University campaigns are conducted in cooperation with local agencies, and times may vary. Employees choosing payroll deduction should be aware that since January 1988, deductions are continuous. To make changes, the appropriate "green" United Way payroll change card needs to be used to initiate, increase, decrease or stop contributions to United Way.

These cards are available from personnel representatives or the Payroll Office at University Park. Employees at University Park are reminded that contribution changes also can be made during the annual campaign scheduled for Oct. 28 to Nov. 1 by checking the appropriate blocks on the confidential "blue" United Way form

Focus on Diversity

Center fosters minority staff professional growth

Helping minority staff foster professional growth and development and feel more comfortable in a predominately White environment are the focuses of the University's Center for Minority Staff Development.

Established earlier this year by the Office of Human Resources, the center is organized specifically to help minority non-academic University staff members develop coping strategies for working and living in a predominately White environment, **James W. Locker**, interim senior mentor, said.

"Studies have determined that minority staff who work at large, mostly White institutions often feel unwelcome despite a general atmosphere of collegiality," noted Mr. Locker, who also is the College of Agriculture's coordinator of equal opportunity and affirmative action programs.

"A major reason for the creation of this center is to address that issue at Penn State," he added. "We want to help minorities feel more included here. The center helps us to do that as well as further enhance the University's efforts to recruit and retain experienced minority professionals."

The center, one of the first programs of its kind in the country, already has been the subject of the higher education press *Administrator*, a management newsletter for higher education administrators, featured the Penn State program in its December 1990 issue.

"In many ways the idea of a center like this is an outgrowth of the idea behind the University's successful Center for Minority Graduate Opportunities and Faculty Development," Mr. Locker said.

Established in 1987 as one of the first of its kind in the nation, that center has assisted scores of tenure-track faculty and graduate students in enhancing their professional development. The center provides such services as mentoring and role modeling, peer guidance, review and counseling, information exchange and communications counseling.

Similarly, the Center for Minority Staff Development has been developed to provide comparable services through such activities as workshops, lectures, mentoring, career development and counseling.

"Establishing such a center at Penn State has tremendous potential," Mr. Locker said. "There are many opportunities for minorities at the University and in the community, once they become accustomed to living in a smaller, less diverse community. Besides numerous University committees and groups, there are various community organizations and local government committees that always are eager for minority membership and input."

James W. Locker, interim senior mentor, Center for Minority Staff Development, counsels a staff member. (Photo: Greg Grieco)

"Through the center's programs, we hope to explore those possibilities as well as examine various opportunities for intellectual and professional enhancement."

The center's first workshop series presently is being planned. Starting in October, they will be scheduled monthly through May. For more information, contact the center at 865-5970.

News in Brief

Football game recycling

The Office of Physical Plan and Intercollegiate Athletics will work together again this year to recycle at home football games. Recycling will start for the Cincinnati game on Sept. 7 and will continue throughout the season.

Last year more than 11,000 pounds of material was recycled, with a 670 percent increase in game day recycling from the Texas game to the Syracuse game.

Green bins, specially marked with the recycling symbol and a list of materials that can be put inside, will be located throughout the parking lots. Barrels will be placed around the perimeter of the stadium fence so that fans will be able to recycle any cans or bottles before entering the stadium. All materials will be taken to the Centre County Solid Waste Authority.

'Campus Fest'

The Penn State bookstore on campus will welcome students back to school this fall with "Campus Fest '91" -- a major on-campus event featuring product samplings, games, free gifts, special offers and demonstrations by local and national advertisers -- to be held from 10 a.m. to 4 p.m. Monday and Tuesday, Sept. 9 and 10, on the HUB lawn.

Sponsored by the Penn State Bookstore on campus and created by MarketSource Corporation (the New Jersey-based media and marketing services company), Campus Fest offers students the opportunity to try new products and taste-test foods and beverages, as well as to enter contests and sweepstakes.

Honor society meeting

The University Park Eta Upsilon Chapter of Alpha Sigma Lambda honor society for adult learners will hold its first public meeting at 6:30 p.m. Tuesday, Sept. 10 in 329 Boucke Building at University Park.

All members of any chapter as well as other interested adult students are invited to attend. For more information, call the Returning Adult Student Center at 863-3887 or stop by 323 Boucke Building.

Mt. St. Helens discussion

Steven Austin, a scientist with the Institute for Creation Research in San Diego, Calif., will speak on "Mt. St. Helens: Explosive Evidence for Creation" at 8 p.m. Thursday, Sept. 12, in Schwab Auditorium at University Park.

Dr. Austin, who received his doctorate in coal research at Penn State in 1979, will discuss his research at the Mt. St. Helens volcanic eruption site.

For more information, contact the Alliance of Christian Fellowship at Penn State at 865-1562 or 237-7991.

WISE forum

The WISE Forum will hold a panel discussion on the question, "Have Things Changed over the Past 20 Years for Women in Science and Engineering?," at 12:15 p.m. Thursday, Sept. 26, in the Frizzell Room of Eisenhower Chapel at University Park.

Panelists include **Mary Frank Fox**, associate professor of sociology and women's studies; **Sharon Jadrnak Luck**, director of the Women in Engineering Program, and **A'ndrea Messer**, science and research information officer, Office of Public Information.

The WISE (Women in the Sciences and Engineering) Forum is for anyone interested in supporting and encouraging women in science, engineering, and technology. It offers an opportunity where women in scientific/technical professions and majors can meet each other, network, discuss issues, and share ideas.

Book donations

The Penn State Bookstore on campus is participating in the Bridge of Knowledge -- Books; National Association of College Stores International Book Donation Program, an international effort to gather and donate books and other educational materials to countries overseas.

Members of the State College and university community are encouraged to participate in this international book donation program and bring their outdated editions, or books for which they have no further need, to the Penn State Bookstore on campus. To this date the bookstore has shipped over 3 1/2 tons of books contributed by students and faculty and staff to the IBB warehouse in Baltimore.

Besides textbooks, there is a need for classroom-related fiction, foreign language books used in schools, books teaching English as a second language, reference books and children's books. There is a special need for books of the primary or secondary levels of education.

Cornell biologist to present Russell Marker Lectures

Thomas Eisner, Jacob Gould Schurman professor of biology at Cornell University, will present the second Russell Marker Lectures in Evolutionary Biology September 9-12 at University Park.

The series of four lectures, "To Be an Insect," is sponsored by the Eberly College of Science and is open to the public free of charge.

The lecture schedule is: "The Insect as Chemist," 8 p.m. Monday, Sept. 9, 117 Osmond Laboratory; "Chemical Basis of Insect Courtship," 4 p.m. Tuesday, Sept. 10, 101 Althouse Laboratory; "Chemical Basis of Insect-Plant Interaction," 4 p.m. Wednesday, Sept. 11, 101 Althouse, and "Life in the Ultraviolet: What Insects See That We Don't," 11:15 a.m. Thursday, Sept. 12, S-5 Osmond.

With research interests in chemical ecology, evolution, behavior, and conservation, Dr. Eisner has five books to his credit and has published over 250 technical articles.

A two- time Guggenheim Fellowship winner, in 1964 and 1972, he also has been honored with the Newcomb Cleveland Prize of the American Association for the Advancement of Science (AAAS), the Founder's Memorial Award of the Entomological Society of America, the Archie F. Carr Medal, the Proctor Prize of Sigma Xi, the Tyler Prize for Environmental Achievement, and, most recently, the Esselen Award for Chemistry in the Public Interest. In addition, he received the Professor of Merit Award from Cornell University in 1973 and the Centennial Medal from Harvard University in 1989.

A graduate of Harvard University with a bachelor's degree and a doctoral degree, he holds honorary doctorates from the University of Würzburg, Germany; the University of Zurich, Switzerland and the University of Goteborg, Sweden.

He is a member of the National Academy of Sciences and the American Philosophical Society and also is a fellow of the American Academy of Arts and Sciences, the AAAS, the Animal Behavior Society, the Royal Society of the Arts, the Explorers Club, and the Entomological Society of America.

The Marker Lectures series was established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy, the chemical sciences, genetic engineering, the mathematical sciences, and the physical sciences.

Thomas Eisner

Friedman

(Continued From Page 1)

He has held seats on the boards of the Mellon Bank (Central), the Centre Community Hospital, and served as treasurer of the Central Pennsylvania Festival of the Arts. He also served as chairman of the State College Authorities Board.

At Penn State, Mr. Friedman served on the Alumni Council (1979-82) and is a life member of the University's Alumni Association.

Sid and Helen Friedman reside in State College. They have two sons, both attorneys in State College.

Since its beginning in 1969, the Renaissance Fund has awarded scholarships worth more than $1.2 million to 757 students. There were 151 Renaissance Scholars last year, and money received from fund-raising events such as the dinner are applied to an endowment fund.

This year's dinner will be on Nov. 13 at the Elk's Country Club in Boalsburg. For more information, call Helen Brenneman, Office of Annual Giving, 863-2052.

Scientific leader in Korea is visiting as Alumni Fellow

Kee-Hyong Kim, chairman of the Korean Advanced Institute of Science and Technology, has been named the 1991 Alumni Fellow of the College of Earth and Mineral Sciences. He is visiting University Park this week and will speak on "Perspectives on the Industrialization of Korea" at 1:30 p.m. today in 112 Kern.

Kee-Hyong Kim

Dr. Kim is one of the most highly respected scientific leaders of Korea. After receiving his doctorate in ceramic science from Penn State in 1961 and working in the United States for six years as a research scientist with Airco-Speer, he was called on by Korean President Park to return to his country and assist in planning the development of Korea's scientific and technological base. He served as Korea's first Minister of Science and Technology from 1967-71.

For the past two decades, Dr. Kim has played a leading role in scientific policy and education, serving as president of the Korean Ceramic Society 1977-79, director of the Korea Energy and Resources Research Institute, president of International University in Seoul, and from 1987 to 1990, as president of Korea's National Science Foundation.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Project proposals being sought

University faculty members are invited to submit proposals for teaching and learning technology projects to the Fall, 1991 cycle of the Faculty Technology Initiative Program sponsored by CBEL-Teaching and Learning Technologies Group, a unit of the Center for Academic Computing.

Faculty members are encouraged to submit ideas for projects on classroom integration of technology; development of software or tools that support learning in their fields or software/hardware search and evaluation.

CBEL is continuing to offer through this program simultaneous submission to the Apple Computer Academic Development Grant/Loan Program which provides Macintosh loan/grants for development projects.

IBM's Academic Information Systems Division also is providing continuing support of this program through extended loans of two of their new multimedia Advanced Academic Solutions Packages with a complete bundle of software including ToolBook, the new development/presentation environment for Windows 3.0. These packages are primarily targeted for development projects.

Faculty members who are interested in submitting a proposal are invited to attend one of two seminars from 1:30 to 4:30 p.m. Sept. 17-18 in 141 Computer Building at University Park. To register for a seminar and to make an appointment for project consultation with the CBEL staff, call (814) 863-1654. Proposals packets can be obtained by calling (814) 863-1654

Bookshelf

Richard J. Fitzsimmons, associate librarian at the Penn State Worthington Scranton Campus, and **Joan P. Diana**, associate librarian at the Penn State Wilkes-Barre Campus, are the compilers of Pro-Choice/Pro-Life: An Annotated Selected Bibliography (1972-1989), published by Greenwood Press.

The book represents the first compilation for pro-choice and pro-life issues in one annotated publication. It provides an objective comprehensive listing of all periodical and monographic publications on pro-choice and pro-life issues between 1972 and 1989.

The items listed are widely accessible in public, academic, and school libraries.

The authors list all materials fitting parameters of research in the ethical, legal, moral, religious, and social arenas. Also included are items reflecting the positions of the Planned Parenthood Federation of America, the Pro-Choice and Pro-Life movements, and the Respect for Life/Right to Life movement.

John A. Ciciarelli, assistant professor of environmental science at the Penn State Beaver Campus, is the author of a new, first-edition textbook, *A Practical Guide to Aerial Photography With an Introduction to Surveying*, published by Van Nostrand Reinhold.

The book covers basic and fundamental topics of aerial photography, surveying, and the mathematics germane to these areas. The text is designed for use by engineers, architects, surveyors, landscapers, geologists, construction foremen, regional planners, and other companies and individuals working within related fields.

In addition, the book contains a unique assemblage of topics in aerial photography, surveying, surveying mathematics, and computer programs.

Partings

Kent R. Addis, assistant director of the Keller Conference Center, has retired after 28 years service

He started out in the Department of Housing and Food Services in 1962 as a training and personnel representative and joined Continuing Education as a conference coordinator in 1966. He received the Higher Education Administrator Award for 1978 from the Pennsylvania Personnel and Guidance Association and was promoted to conference center team leader in 1985.

Looking back on his years with the center, Mr. Addis points to the increasing level of sophistication of conference participants. "People expect a great deal more today than they once did," he said. "They're more traveled and experienced, and a conference coordinator can't just sit back and run a standard program. Programs have to be custom-made for each conference."

Looking ahead now, Mr. Addis has developed some criteria for his second career.

Kent R. Addis

"I want to work with exciting people. And to feel enthusiastic about whatever I choose to do. Money won't be a driving factor. I hope to be productive and to be recognized for any contribution I make."

He and his wife, Mary, have three children, Chip, Amy and Suzanne.

Maxine Rock said 23 years is a long time to work for an employer, but it is a milestone both she and her husband, **Bill**, have reached at the Penn State Mont Alto Campus.

The Rocks, who live in Mont Alto, began their jobs at the local campus in 1968 -- Bill in July with the maintenance staff and Maxine in September with Housing and Food Service. They retired within seven weeks of each other -- Maxine, known on the campus as "Max," on May 9 and Bill on June 28.

"I'm sad, but I'm happy," Max Rock said as she described her retirement. "I've had a good bunch of women to work with and Penn State is a good place to work, too."

A machinist by trade who worked for the Waynesboro Area School District, Fairchild Industries, and manufacturing shops in Waynesboro and elsewhere before joining the Mont Alto Campus, Bill echoed Max's sentiments. "I like this job because it's something different (every day). In a shop, it's the same thing over and over...and I work with a nice bunch of fellows here."

The Rocks' retirement plans include traveling to the western United States and Florida, spending time with their two grandchildren, ages 5 and 3, and completing some projects around their house.

Married 33 years, they also are looking forward to spending time together.

"Each year keeps getting better and better," Max said.

Robert J. McGlynn, electrician A, Office of the Physical Plant, from May 4, 1965, until July 1.

Robert C. Brodzina, horticultural worker, machine operator B in Agriculture, from July 11, 1977, until July 27.

Kristi O. Rehm, secretary C, Liberal Arts, from Sept. 10, 1979, until Aug. 16.

Focus on the arts

'African Safari'

Wendy Snetsinger is presenting a photographic exhibit titled "African Safari" at the Kern Graduate Building Gallery at University Park through Sept. 29.

The photographs, taken last year in Kenya and Zimbabwe, highlight the beauty of the people and the landscape.

Ms. Snetsinger is a painter as well as photographer and has exhibited internationally. She currently is showing drawings and paintings at the Gamble Mill in Bellefonte, and her work is represented by the Art Alliance Shop in Lemont.

She studied at the University of Illinois, received B.S. and M.S. degrees in art education at Penn State, and is a doctoral student in instructional systems design.

Featured author

Dwight Landis, author of a new book, *Trout Streams of Pennsylvania, An Angler's Guide*, will be the featured author at the Penn State Bookstore on campus, from noon to 2 p.m. Friday, Sept. 6. He will discuss and sign copies of his book, and give fly tying demonstrations.

Trout Streams of Pennsylvania (Hempstead-Lyndell, 1991) is a comprehensive guide to the great variety of trout fishing available in Pennsylvania. In its 232 pages, this book describes over 300 trout streams, ranging from tiny brook trout streams to large trout rivers such as the Delaware and the Youghiogheny.

The public is invited to meet the author and receive a 20% discount off the regular price of *Trout Streams of Pennsylvania* during the book signing session.

Recognition recital

Ten undergraduates from the School of Music will perform in a jury recognition recital at 8 p.m. Monday, Sept. 9, in the School of Music Recital Hall at University Park.

The performers are students of Marylene Dosse, Lois Durran, Richard Kennedy, Mark Lusk, Suzanne Roy, Steven Smith and Dan Yoder of the School of Music faculty.

Bracken lecture

The 1991-1992 John R. Bracken Lecture Series opens with a lecture by Catherine Howett, professor at the University of Georgia's School of Environmental Design, at 8 p.m. Tuesday, Sept. 10, in 112 Walker Building at University Park. The lecture series is sponsored by the Department of Landscape Architecture.

Professor Howett will present "Young Turks, Old Turkeys: New Directions in Architectural Theory and Practice," examining divergent traditions and philosophical approaches that have most influenced the practice of landscape architecture today.

She has received numerous awards for her teaching and writing, including the Award of Distinction in Recognition of Excellence in Teaching and Research from the Council of Educators in Landscape Architecture.

Following the lecture, a reception will be held in 210 Engineering Unit D. The lecture and reception are free and open to the public.

Odyssey on WPSU

A poem, says Romanian emigre and National Public Radio commentator Andrei Codrescu, is "an object of inexplicable mystery." It has "the responsibility of escaping translation," whether from one language to another, or from the language of the poem to the casual English of a paraphrase. "It's the thing that gets away from you. Like death."

Mr. Codrescu discusses his ideas about poetry -- and reads several poems -- on the next edition of Odyssey Through Literature, "Andrei in Wonderland."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Bach's Lunch

Saxophobia, a saxophone quartet from the School of Music, will perform at 12:10 p.m. Thursday, Sept. 12, in the Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include selections by Bach as well as some jazz standards.

Saxophobia consists of Dan Yoder of the School of Music faculty; undergraduate saxophone performance majors Doug Bernstein and Erik McDonough, and Jim Noyes, master of music degree candidate.

Music lecture series

Ann Gebuhr, composer and theorist at Houston Baptist University in Texas, will present "Which Comes First, the Music or the Words? (or the chicken and the egg question applied to opera)" at 2:30 p.m. Friday, Sept. 13, in the School of Music Recital Hall at University Park.

The lecture is first in the "Music Today, 1991-92" series sponsored by the School of Music.

Dr. Gebhur's most recent composition, "Brian Boru," an opera in two acts with libretto by Robert Hatten of the School of Music faculty, premiered last spring. A video of the two-hour opera will be shown at 7:30 p.m. Thursday, Sept. 12, in Room 115 of the Music Building.

Dr. Gebuhr has composed works for chorus, solo voice, chamber ensembles, wind ensemble, orchestra and band and frequently lectures on 20th-century music topics.

The arts at...

Berks Campus

The 1991 Grout-Kauffman Award Exhibit, featuring artists who received awards at the 8th Nittany Lion Juried Exhibit in April, will be on display from Sept. 6 through Oct. 3 at the Penn State Berks Campus.

The exhibit features the work of Rosemary Geseck, Carol Parsons, Peter Jon Snyder, James E. Walker, and Don Weaver.

Gallery hours are 11:30 a.m. to 2 p.m. Monday through Thursday; 6 to 8 p.m. Thursday, and 1 to 3 p.m. Sunday.

University Park Calendar

September 5 -- September 15

Special Events

Thursday, September 5
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel.
Sunday, September 8
Shaver's Creek, 2-4 p.m., Autumn Wildflower Walk. Call 863-2000.
Monday, September 9
Russell Marker Lectures in Evolutionary Biology, Sept. 9-12. Thomas Eisner, Jacob Gould Schurman professor of biology, Cornell Univ., will present lectures.
Comp. Lit. Luncheon Series, 12:15 p.m., 101 Kern. Thomas Hale, professor of African, French and comp. lit., on "Female Keepers of the Oral Tradition in Niger."
■German Dept., film series, *Eszett*, 8 p.m., 110 Wartik.
Tuesday, September 10
John R. Bracken Lecture Series, 8 p.m., 112 Walker. Catherine M. Howett, Univ. of Georgia, on "Young Turks, Old Turkeys: New Directions in Landscape Architectural Theory and Design." Reception follows in 210 Landscape Architecture Unit D.
Project Growth, 8 p.m., Ag Industries Aud. Program titled, "Jammin with 'Earthtones' and 'Passport' a celebration of Music and Culture.
Wednesday, September 11
Graduate Student Association, thesis workshop, 3:30 p.m., 112 Kern; program, "Using Microcomputer Facilities," 7:30 p.m., 112 Kern.
Project Growth, time to be announced, Cinema 5 Theatre. Two free showings of Spike Lee film "Jungle Fever." Ticket distribution begins at noon on Tuesday, Sept. 10, in 135 Boucke Building.
Thursday, September 12
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel.
Graduate Student Association, free movie, "Postcards from the Edge," 8:45 p.m., Fisher Plaza.
Lecture, 8 p.m., Schwab Aud. Dr. Steven Austin on "Mt. St. Helens -- Explosive Evidence for Creation."
Friday, September 13
School of Music, Music Today 1991-92, 2:30 p.m., Recital Hall. Dr. Ann Gebuhr, Houston Baptist Univ., on "Which Comes First, The Music or the Words? (or the Chicken and Egg Question Applied to Opera)."
Saturday, September 14
Shaver's Creek, 1-3 p.m., Insects in Disguise. Call 863-2000.
Sunday, September 15
Graduate Student Association, kids, free ice cream, movie, "Charlotte's Web," 2:30 p.m., 102 Kern. Children must be accompanied by an adult.
School of Music, 4 p.m., Recital Hall. Carl Blake, piano.
Shaver's Creek, 7:30-10 a.m., Bird Breakfast. Call 863-2000.

'African Safari,' a photographic exhibit by Wendy Snetsinger, is on display at the Kern Graduate Building Gallery through Sept. 29.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays, with Jeff Ballou. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Sept. 9-13. PE Review Course. Mining and Mineral Engineering, R.V. Ramani, chair; Norm Lathbury, coordinator.
Sept. 10-12. Motor Fleet Safety for Supervisors. Eric Loop, coordinator.
Sept. 10-13. Qualification Course in Well Control. Stanley Supon, chair.

Seminars

Thursday, September 5
Gerontology Colloquia, 4-5 p.m., 106 Mitchell. James D. Reid on "Stress, Adaptation, and Successful Aging."
Computer Science, 4 p.m., 325 Whitmore Lab. Sitaram Lanka on "Fully Persistent B+ Trees."
Friday, September 6
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Manfred Kroger on "Communicating Science to the Public."
Monday, September 9
Computer Science, 4 p.m., 325 Whitmore Lab. Kresimir Veselec, Univ. of Hagen, Republic of Germany, on "Floating Point Perturbations of Hermitian Matrices."
Tuesday, September 10
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Arun Kilara on "The Science and Technology of Ice Cream."
Graduate Program in Nutrition, 4 p.m., 108 Tyson. Edward Mills on "Development of Low Fat Meats Products."
University Park Eta Upsilon Chapter of Alpha Sigma Lambda honor society for adult learners, meeting, 6:30 p.m., 329 Boucke.
Wednesday, September 11
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Young Kwon, Univ. of Illinois, on "The Usefulness of Uncontrollable and Uninformative Factors as Incentive Variables in Executive Compensation Contracts."
Thursday, September 12
Combustion and Propulsion, 9 a.m., 506 Keller Conference Center. Dr. Irvin Glassman, Princeton Univ., on "Combustion of Metals Revisited-Thermodynamically."
Friday, September 13
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. William Lacy on "Impacts of Agricultural Biotechnology: Social and Value Dimensions."

Exhibits

Chambers Gallery
School of Visual Arts, 2 and 3 Dimensional Design Projects, through Sept. 27.
HUB Galleries
Formal Gallery:
■AFRICOBRA: The First Twenty Years, through Sept. 29.
Kern Galleries
Diane McNeal, weaving, through Sept. 27.
Leah St-Blancard, stained glass, through Sept. 27.
■Wendy Snetsinger, African Safari, an adventure in photography, through Sept. 27.
Pattee Library
West Lobby Gallery:
Glenn Liddy, "Caught in the Legend," through Sept. 20.
Penn State Room:
"JRB: 100, John R. Bracken and the Development of Landscape Architecture at Penn State," through Sept. 30.
Zoller Gallery
Ultra Media, through Sept. 29.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather-234; Arts Line-345; University Calendar-456.

*Reflects an international perspective

Bookshelf

Roger L. Williams, assistant vice president and executive director of university relations, is author of *The Origins of Federal Support to Higher Education: George W. Atherton and the Land-Grant College Movement*, published by Penn State Press.

Dr. William's book on land-grant college history traces the intensive legislative campaigns of land-grant presidents that resulted in the Hatch Act of 1887 which established federally-funded agricultural research stations at the colleges, and the Second Morrill Act of 1890, which provided annual federal funding for a broad range of educational programs at land-grant colleges.

"These two acts set the precedent for federal support for higher education that began in earnest after World War II," he says.

"Their passage is all the more impressive because land-grant college presidents were arguing against a strong Congressional bias that on constitutional grounds saw no role for the federal government in education."

Now, 100 years later, a coordinated campaign of visits by college presidents could help to rebuild confidence in higher education, Dr. Williams adds.

"The objective would be not so much to lobby for specific legislation, although that could be part of the agenda, but more importantly to forge personal relationships with legislators and policy-makers."

Toby Carlson, professor of meteorology, is the author of *Mid-Latitude Weather Systems*, published by Chapman-Hall.

The new text uses quantitative reasoning to provide fresh, integrated coverage of the structure of mid-latitude weather systems and provides sound conceptual models for understanding them.

The text is designed for advanced undergraduate or postgraduate students of meteorology and climatology; practicing meteorologists and physicists.

Appointments

Eleanor McElheny Crowder

Donald R. Holtzman

Kevin Lee

Gary L. Mullen

Joseph L. Rose

Eleanor McElheny Crowder has been named associate director of the graduate program in the School of Nursing, effective fall semester.

Dr. Crowder, a faculty member at the University of Texas at Austin for the past 18 years, had been director of the Southwest Center for Nursing History and associate professor in the University of Texas School of Nursing. She also held an appointment in University of Texas Graduate School of Biomedical Sciences at Galveston.

She holds a doctorate in curriculum and instruction from the University of Texas at Austin and a master's in medical/surgical nursing, and nursing service administration from the University of Texas System. Her bachelor of science in nursing is from the University of Texas System.

She also holds a diploma from the School of Nursing of the Hospital of the University of Pennsylvania, and a certificate in flight nursing, from the School of Aviation Medicine at Gunter Air Force Base.

Donald R. Holtzman has been appointed director of student affairs at Penn State Harrisburg.

Mr. Holtzman, formerly the college's associate director of student affairs, holds a M.A. in religion from Fuller Theological Seminary. In his new capacity, he will be responsible for managing the Student Assistance Center, Residential Life, Recreation/Athletics, Student Activities, Health Services and other student-related entities.

Mr. Holtzman is a member of several professional organizations, including the National Association of Student Personnel Administrators, the American Association for Counseling and Development, the National Association of Financial Aid Administrators and the National Academic Advising Association.

Kevin Lee has been appointed human resources aide in the University Libraries.

Mr. Lee, a 1990 Penn State graduate with a major in administration of justice, was a participant in Penn State's Minority Professional Entry Program. As a student, he completed two administrative internships, the first with the South Eastern Transportation Authority, and the second with the Philadelphia District Attorney's Office.

Before joining the Libraries' staff, he worked for the Office of Minority Admissions and Community Affairs.

Gary L. Mullen has been named associate dean for research and the Commonwealth Educational System in the Eberly College of Science.

Prior to his new appointment, Dr. Mullen was associate dean for CES and continuing education. From 1982 to 1989, he served as assistant dean for CES and continuing education, and in 1989, he served as acting associate dean for research.

Dr. Mullen, who is a professor of mathematics, is a specialist in the theory and application of finite fields. He recently returned from a year-long sabbatical that included invited stays at Clemson University, the University of Tasmania, Australia, and the Austrian Academy of Sciences, Austria.

A 1969 graduate of Allegheny College with a bachelor's degree in mathematics, he earned his master's and doctoral degrees at Penn State in 1970 and 1974, respectively.

Dr. Mullen joined the University faculty as an assistant professor at the Shenango Valley Campus in 1975 and became an associate professor in 1979. He moved to University Park after being named assistant dean in 1982, and was named professor of mathematics in 1989.

He is a member of the American Mathematical Society, the Mathematical Association of America, and Phi Kappa Phi honorary society.

Joseph L. Rose has been appointed the first holder of the Paul Morrow Professorship in Engineering Design and Manufacturing.

Dr. Rose comes from Drexel University where he is the Albert and Harriet Sotta professor of mechanical engineering and director of IMPAQT, a manufacturing center. He will be based in the Department of Engineering Science and Mechanics.

The Morrow Professorship was created with a $250,000 gift from Paul Morrow of Tucson, AZ, a 1932 Penn State electrical engineering graduate.

Dr. Rose, an expert in ultrasonic non-destructive evaluation, works with composite materials, nuclear heat exchanger tubing and aging aircraft. He holds three patents relating to ultrasonic non-destructive evaluation and has written or co-written four books and numerous articles.

A strong supporter of Penn State, Paul Morrow also contributed $143,000 to the renovation of teaching and laboratory facilities in the College of Engineering.

Linda M. Walinsky has been appointed admissions counselor at the Penn State Schuylkill Campus.

Her primary responsibilities will be recruiting new students as well as the day-to-day operations of the admissions office, including visitation by prospective students and parents, coordination of open houses, college fairs and the alumni admissions program and also advising the campus' Lion Ambassador program.

Prior to her appointment, Ms. Walinsky served as program director for the campus' federally funded "Thinking Non-Traditionally: Advancing Opportunities" grant program.

She is a graduate of Bloomsburg University, where she received her bachelor's degree in biology. She earned her master's in public administration from Troy State University – European Region.

Jerry L. Bona, professor of mathematics and head of the Mathematics Department, has been named as the new Raymond N. Shibley Professor in Mathematics.

The professorship, which is awarded to a different faculty member every five years, was established in 1986 by Raymond N. Shibley, a partner in the Washington, D.C., law firm of Leboeuf, Lamb, Leiby & MacRae.

Dr. Bona plans to use the financial support provided by the professorship to bring mathematicians and economists from around the world to Penn State as visiting scholars in the Mathematics Department. Some seven visiting scholars already are scheduled to visit this year from such countries as Brazil, France, and Spain. Dr. Bona plans collaborations on fluid dynamics, theoretical issues in partial differential equations, and economic theory.

A specialist in fluid dynamics and partial differential equations, Dr. Bona joined Penn State in 1986 as professor of mathematics, became acting head of the Mathematics Department in 1990, and was named its head earlier this year.

Gautum Ray has been appointed director of the Penn State Harrisburg School of Science, Engineering and Technology.

Dr. Ray is former professor of biomedical engineering and associate dean of the College of Engineering and Design at Florida International University. He holds a Ph.D. in engineering mechanics/biomechanics from Penn State.

In his new capacity, Dr. Ray will administratively guide the efforts of the school and also will serve as an active faculty member. He is active in a number of societies, including the American Societies of Mechanical Engineering, Engineering Education and Civil Engineering.

Obituaries

Ralph P. Seward, professor emeritus of chemistry, died Aug. 4. He was 89.

He joined the University faculty as an instructor in chemistry in 1934 and retired in 1966. Prior to joining Penn State, he was employed by MIT, Brenau College, Catawba College, and Alcoa Aluminum Corp.

He was a 1922 graduate of Kalamazoo College, Mich., with a B.S. in math. In 1923, he graduated from Clark University, with a masters in Chemistry. In 1925, he received his Ph.D. in chemistry from Brown University.

Kenneth M. Way, mechanic, experimental and maintenance, College of Engineering, from Feb. 1, 1957, until his retirement Sept. 1, 1974, died June 10 at the age of 78.

Charles E. Fitzgerald, janitorial worker, Office of the Physical Plant, from Dec. 1, 1968, until his retirement June 1, 1979, died July 5 at the age of 75.

Focus on Research

Pennsylvania's racial and ethnic profile changed dramatically during the 1980s

During the 1980s, the Asian population of Pennsylvania more than doubled and the Hispanic population increased by one-half, according to a University demographer.

"The state's overall racial and ethnic profile changed dramatically during the 1980s," Dr. Gordon F. DeJong, professor of sociology and director of the University's graduate program in demography, said.

"However, the population changes were restricted to only eight metropolitan counties, particularly in regard to Hispanics and Blacks. Asians are spread more evenly across the state."

The Asian population grew 113.5 percent during the 1980s, while Hispanics increased 50.9 percent. In comparison, the Black population rose by a modest 3.4 percent. The non-Hispanic White population of Pennsylvania declined by 1.5 percent.

The population report, based on 1990 census figures, was prepared jointly by Penn State's Population Issues Research Center at University Park and the Pennsylvania State Data Center at Penn State Harrisburg.

"The rapid growth of Pennsylvania minorities and its unequal pattern of distribution have important implications for the state's school system, labor force and human services agencies," Dr. DeJong, senior scientist with the Population Issues Research Center, said.

In 1990, non-Hispanic Whites made up 87.7 percent (10,500,020) of the total Pennsylvania population. Blacks constituted the largest minority with 9.0 percent (1,089,795) of the state's population.

Hispanics, regardless of ethnic or cultural origin, numbered 2.0 percent (232,262), and Asians numbered 1.2 percent (137,438) of Pennsylvania's population.

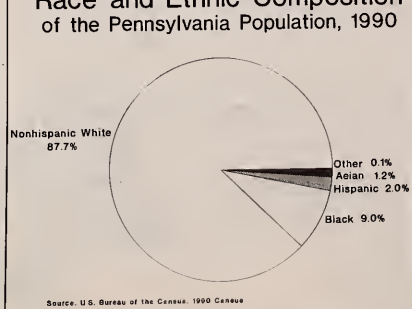
Four Pennsylvania counties had significant concentrations of Blacks - Philadelphia County (39 percent), Dauphin County (15 percent), Allegheny County (11 percent) and Delaware County (11 percent).

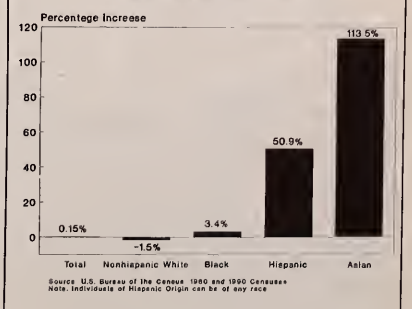
Philadelphia and Allegheny Counties had by far the largest concentration of Black residents, with 631,936 and 149,550 respectively. About 72 percent of Pennsylvania's Black population lived in those two counties, Dr. DeJong noted.

The Hispanic population, consisting largely of Puerto Rican workers and their families, was also concentrated in a relatively few counties. They numbered 5.6 percent in Philadelphia County, 5.2 percent in Lehigh County, 5.2 in Berks County and 4.7 percent in Northampton County.

"Philadelphia County alone has nearly 38 percent of the state's total Hispanic population, and more than 60 percent live in five southeastern counties, including Lancaster County," Dr. DeJong said.

"Increased race and ethnic diversity in the state's infants, school age youth, work force and senior citizens will inevitably affect government, business and all institutions in the state in the 1990s."—Paul Blaum





Financial counselor to give cable television lecture

J. Patrick Michaels Jr., a financial counselor for cable TV, will present the first Marian B. Gardner Lecture in Cable Television Accounting and Finance to the Smeal College of Business Administration at 10 a.m. Monday, Sept. 9, in 502 Keller Building at University Park.

Mr. Michaels, founder and chairman of Communications Equity Associates Inc., Tampa, Fla., a full-service investment bank serving cable television and other communications and media industries, will speak on "The Globalization of Cable Converging Technologies and Alliances in a Changing World."

In addition, he has assembled a panel of cable TV experts to discuss issues raised in his pre-entation. The panel consists of Thomas E. Hyland, co-chairman, Media and Entertainment, Coopers and Lybrand, New York; Charles S. Bonan, president, Super Channel, New York and London; James R. Ganley, president, Reiss Media International Inc., New York; and Stewart E. Nazzaro, vice president, International Business Development, Communications Equity Associates Inc., Tampa. All are currently dealing with the expansion of cable television and its impact on global communications.

Mr. Michaels will be at University Park Sept. 8-10 for presentations to faculty and students, the lecture, and a teleconference Sept. 10 for colleges, universities and cable systems throughout the country. The lecture will be recorded and published for distribution to other colleges and universities and the cable industry.

Mr. Michaels' work in cable television began in 1968 as an employee of TM Communications, the cable subsidiary of The Times Mirror Company. Later he served as vice president of Cable Funding Corporation, a firm specializing in cable television financing and investments. He founded Communications Equity Associates in 1973 to provide financial counseling to a select group of cable industry clients.

The Marian B. Gardner Lecture was established by George F. Gardner, Carlisle, in memory of his late wife who worked with him in pioneer cable television activities in Pennsylvania. It is one of three major lectures established by the Cable Center and Museum. The others are in communications, coordinated by the School of Communications, and the Donald W. Levenson Lecture in Cable Engineering, coordinated through the College of Engineering.

J. Patrick Michaels Jr.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **September 12. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment Practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program without regard to race, color, religion, national origin, handicap or age (as provided by law), sex, or status as a disabled or Vietnam-era veteran.

■01756, Project Coordinator, Agriculture, Agronomy, University Park Campus – Responsible for the supervision and efficient operation, implementation and coordination of analytical techniques in the chemical analysis of soil characterization in the research and diagnostic activities of the laboratory. Conduct soil characterization laboratory analyses, maintain laboratory quality control, process data by computer techniques, summarize and publish data. Requires bachelor's degree in chemistry or closely related field plus one to two years of effective experience required. Master's degree preferred. STAFF GRADE 6

■01757, Manager of Purchasing, Housing and Food Services, University Park Campus – Responsible to the director of business services, for the purchasing of food products, capital expenditures, equipment, supplies and materials in support of the operation of the department. Requires bachelor's degree or equivalent plus over four years up to and including seven years of effective experience. STAFF GRADE 8

■01758, Administrative Aide, The Smeal College of Business Administration, Management Science and Information Systems, University Park Campus – Responsible to the department chairman, Management Science and Information Systems, for assistance in and coordination of various departmental administrative functions and for supervision of departmental support staff. Requires associate degree or equivalent with emphasis on management practices, plus two to three years of effective experience in office administration and supervision in an academic department setting. STAFF GRADE 5

■01759, Program Specialist, Undergraduate Education, Division of Undergraduate Studies, University Park Campus – Responsible to the assistant director, Division of Undergraduate Studies, for performing analysis, preparing reports, coordinating program activities and schedules and for providing administrative assistance. Requires bachelor's degree or equivalent, plus nine to twelve months of effective experience with academic programs for new students. Data analysis, verbal and written communication skills are required. Office management and familiarity with University setting is preferred. STAFF GRADE 5

■01760, Computer Support Specialist, Undergraduate Education, Division of Undergraduate Studies, University Park Campus – Responsible to the coordinator of operations/adviser for performing various computer support functions for the Division of Undergraduate Studies (DUS) to include coordination of electronic scanning instruments, record maintenance of placement test results, writing and editing computer programs, and providing recommendations on and support of DUS computer hardware and software applications. Requires bachelor's degree or equivalent, plus one to two years of effective experience in programming and or systems analysis. Knowledge of NATURAL, ROSCOE and JCL required. STAFF GRADE 6

■01761, Acting Assistant Director/ Counselor of Project Upward Bound, Undergraduate Education, Academic Assistance Program (Project Upward Bound), University Park Campus – Responsible to the director of Project Upward Bound. Provide comprehensive social, personal, and referral counseling to participants of Project Upward Bound. Requires master's degree, or equivalent in counseling, counseling education, or a related field. Two years experience in counseling in an educational environment is required. This is a fixed-term position funded from Sept. 1, 1991, to May 31, 1992. STAFF GRADE 7

■01762, Administrative Assistant, Ogontz Campus, Academic Affairs – Responsible to the director of academic affairs for administrative functions related to registration and scheduling, faculty personnel issues, student advising and counseling, budget control, etc. Acts as liaison with a variety of internal and external offices. Supervise assigned clerical employees. Requires bachelor's degree or equivalent, plus one to two years of effective experience in an academic setting. STAFF GRADE 5

■01763, Proposal and Grant Assistant, Earth and Mineral Sciences, Associate Dean for Research, University Park Campus – Responsible to the coordinator of research funds for providing support in the area of proposal and award administration. Assist in preparation and submission of research proposals, processing awards, establishing new awards in compliance with sponsor guidelines, initiating budget request forms, etc. Requires associate degree or equivalent, in a business related field and one to two years of effective experience in the administration of sponsored research efforts and strong interpersonal, computer and communication skills. STAFF GRADE 5

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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INTERCOM

September 12, 1991 Volume 21, Number 4

Researchers get grant for study of science teaching

The three-year program funded by the National Science Foundation has the potential to assist more than 700 middle and junior high school teachers in nearly 500 school districts.

Penn State and West Virginia University researchers have received a $900,000 federal grant to establish and study teacher education programs for science teachers in rural school districts in Pennsylvania and West Virginia.

The three-year program funded by the National Science Foundation has the potential to assist more than 700 middle and junior high school teachers in nearly 500 school districts throughout rural south and central Pennsylvania and northern West Virginia.

"Teaching the relationships between science, technology and society, now recommended by the National Science Teachers Association, is a relatively new area of emphasis for school science education," **Peter A. Rubba**, associate professor of education and project director, said.

"Just as our understanding of science continually changes with new research findings, science teaching also changes as a result of research in science education. Yet, only a few rural school districts can afford to send teachers to seminars and conferences that offer the latest information on science instruction."

Rural populations in Pennsylvania and West Virginia are among the largest in America, and nearly 50 percent of all school districts in these states are in rural areas.

"We've designed this program to help teachers from rural districts learn how science and technology interact with society, and to encourage them to teach these concepts to other teachers in their regions," Dr. Rubba added.

The program was coauthored by **Randall L. Wiesenmayer**, associate professor of science education at West Virginia University. He will serve as subcontract director and will coordinate West Virginia operations.

This fall, the researchers will ask 15 teachers from each state to participate in the program, which will focus on global warming as an example of how to integrate science, technology and society issues.

First year activities will include a three-week summer workshop at University Park with mini courses presented by faculty in the sciences and liberal arts from both universities. Participants and faculty will develop instructional materials and educational activities for the rural school districts during the academic year

In the second year, a two-week workshop will be held at West Virginia University and will focus on developing and implementing educational activities for other middle and junior high school teachers.

The researchers will focus on evaluating program effects on teacher education during the third year. Researchers and participants will work closely together throughout the project by using an electronic network to share information and collect evaluation and research data.

Rosey Grier named Alumni Fellow

Rosey Grier, an athlete, entertainer, humanitarian, and author, has been named an Alumni Fellow of the College of Health and Human Development. He will visit Oct. 1-3. The title of Alumni Fellow is one of the highest honors that the University bestows on its graduates.

A former All-American in football at Penn State, Mr. Grier played professional football with the New York Giants and the Los Angeles Rams, retiring in 1967. He was a four-time All-Pro selection, played in five world championship games, and was a member of the Fearsome Foursome, the most honored line in professional football.

Rosey Grier

In addition, he has performed in more than 35 television shows, radio programs and films. His nationally syndicated "Rosey Grier Show," which ran from 1968-70, earned an Emmy nomination.

An ordained minister, Mr. Grier founded and directs Giant Step, a federally funded program that provides job training for disadvantaged youths and housing for senior citizens. In addition, he founded and chairs "Are You Committed," a program to prepare underprivileged, inner-city youth for better educational and employment opportunities.

He was named a Distinguished Alumnus of Penn State in 1974. Among his other awards are recommendations from two Los Angeles mayors, an honorary doctorate from Oral Roberts University, the Watson Award from IBM, the B'nai Brith Champion of Youth Award, and the National Football League Humanitarian Award.

Homecoming plans announced

Lieutenant General **John J. Yeosock**, commanding general of the Third United States Army and deputy commanding general-Forces Command, will be the Grand Marshal of Penn State's 1991 Homecoming parade on Friday, Oct. 18.

Gen. Yoesock, a 1959 Penn State graduate in industrial engineering and named a 1990 Outstanding Engineering Alumnus by the College of Engineering, was Commander of United States, United Kingdom, and French Army Forces, Central Command during Operation Desert Storm.

University faculty, staff, and students who participated in Operation Desert Storm are invited to join the parade as honorary Grand Marshals. To do so, please contact the Homecoming Committee at 865-3456 between 9 a.m. and 4 p.m. Monday through Friday.

Homecoming activities celebrating the theme "For the Glory" will begin on Oct. 14 with a window dressing competition at the HUB, Pollock Halls and College Avenue businesses. Voting for the Homecoming king and queen will be Monday and Tuesday, Oct. 14-15, in the HUB basement from 9 a.m. to 5 p.m.

On Wednesday, Oct. 16, a Greek and independent crazy banner competition will begin at 7 p.m. on the field south of Beaver Stadium. It will be followed by the 1991 Homecoming king and queen coronation at 8 p.m. The traditional bonfire will be lit at 8 30 p.m., and fireworks are scheduled for

See 'Homecoming' on Page 3.

Lt. Gen. John J. Yeosock

Focus on Diversity

New executive officers elected to The Forum on Black Affairs

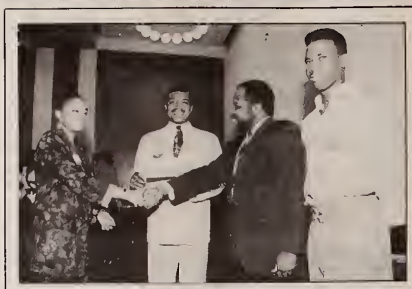
New executive officers have been elected to The Forum on Black Affairs at Penn State.

The 1991-92 executive board includes: **Gary M. Kelsey**, president; **Deborah Atwater**, past president and chair of the nominations committee; **LaVerne Gyant**, president-elect and ways and means committee chair; **Carolyn Boswell**, Delaware County Campus, east liaison; **Louis Ridgely**, Fayette Campus, west liaison; **Rev. Kenneth I. Clarke**, secretary, and **James Locker**, treasurer.

Committee chairpersons include: **Charlene Price-Holder**, Martin Luther King Memorial Dinner deputy chair; **Gregory Goldsmith**, education, **Yolanda Clarke**, women on black affairs; **Raymond Jones**, alumni relations; **Cathy Lyons**, university/community relations; **Will Covington**, membership; **Saundra D. Edwards**, social; and **Aaron Singleton**, media liaison.

Comprised of faculty, staff and graduate students, the Forum on Black Affairs was established to help provide a more comfortable environment for Black American/African-American members of the University community. Through a comprehensive array of educational, civic, cultural and social activities, the organization seeks to form meaningful and productive partnerships with the community and other University organizations in order to encourage the development of Black American/African-Americans at Penn State. The organization has approximately 75 members.

The Forum on Black Affairs has been responsible for conducting several annual campus and community events. They include the Martin Luther King Memorial Dinner and Celebration, Black History Month programs at the State College Area School District, education and development projects at the State Correctional Institution at Rockview, social events for the Black American/African-American community and educational programs for members.



Scholarship winners

Gary Kelsey, second from right, president of the Forum on Black Affairs, congratulates Janae Williams, recipient of an Educational Scholarship from the Forum. With them are Gregory Goldsmith, education committee chair, and Gregory Huckstep, right, a scholarship recipient. Gregory Branche, of the Delaware County Campus, also received a scholarship award, while honorable mentions went to Nicole Batts, Renee Booker, Jennifer Massenbur, Eugene Spells and Nathan Weber. (Photo: Greg Grieco)

Students take part in apprenticeship program

Six high school seniors from the northeast and midwest spent part of this summer learning about agricultural research and college life in the College of Agriculture through Penn State's Minority Student Apprenticeship in Agriculture program.

"We want to show young people the opportunities and programs available in agriculture and higher education," **William Henson**, assistant to the dean for minority affairs in the College of Agriculture, said. "We also hope to dispel fears of racial problems and limited opportunities by allowing minority students to gain first-hand experience with the College's programs, faculty, staff and students."

The apprenticeship program, aimed at attracting minority students to agricultural curricula, is a six-week study period sponsored by the College of Agriculture and the U.S. Department of Agriculture.

Apprenticeship students are paired with faculty mentors to work in disciplines such as engineering, wildlife science, plant pathology, entomology, animal science and biotechnology. Apprentices have the opportunity to discuss college study options with faculty in various departments. They also are counseled on college application procedures and financial aid.

Apprenticeship students receive full scholarships to cover the costs of attending the program as well as a biweekly stipend to help offset the loss of summer earnings. Apprentices live in campus dormitories and eat in the dining halls.

"The program has been very successful," Dr. Henson said. "Nearly all our graduates have pursued post-secondary education, and several are full- time students in the College of Agriculture. The participants have a whole new world opened for them, and it's a world in which they are eager to participate."

Workshop scheduled

External funding and proposal development will be the topics of the first in a series of faculty development workshops sponsored by the Office of Minority Faculty Development, Saturday, Sept. 14, from 9 a.m. to noon in 114 Kern Building at University Park.

The workshop will be presented by Baiba Breidis, College of Liberal Arts coordinator of grants and contracts.

All junior faculty are welcome to participate. To make reservations, contact Ms. Leah Witzig at 863-1663.

25-year award recipients

Observing 25 years of service at the University are, from left, William A. Jester, professor of nuclear engineering; Budugur Lakshminarayana, Evan Pugh professor of aerospace engineering; Susan Petro, assistant to the manager of facilities resources; Richard A. Queeney, professor of engineering science and mechanics; C. Preston Scoboria, assistant professor of physics at the Penn State Berks Campus.

Executive Programs ranked 14th worldwide

Despite tough economic times, the Penn State Executive Programs maintained a strong position in the upper tier of their industry, according to the latest rankings in a top trade journal.

"The Bricker Bulletin on Executive Education" ranked Penn State 14th worldwide among 75 institutions that offer educational programs to middle- and upper-level business managers.

The Penn State Executive Programs, an arm of The Smeal College of Business Administration, were 11th in market share among American universities overall, sixth among U.S. public institutions and third among Big 10 schools.

"We held our own in a down market," Albert A. Vicere, Smeal College assistant dean for executive education, said, explaining that recessionary times were causing corporations to cut back their demand for out-of-company managerial training. "We did particularly well in our market niche, residential programs of one week or more."

Topping the list in total program participants was the University of Michigan, followed by Ashbridge Management College (United Kingdom). Rounding off the top tier were Dartmouth, 19th, and Boston, 20th

Penn State ranked sixth worldwide in the range of programs offered, tied with Northwestern and Columbia. Michigan and Ashbridge also were first and second, respectively, in number of programs.

Penn State was 12th worldwide when all institutions were measured by number of participants served per week. By that measure, the University also was eighth among U.S. institutions, fourth among public American schools and third in the Big 10.

In separate ratings of 64 U.S. and Canadian universities, the Executive Programs placed 11th overall in total participants and eighth in participant-weeks.

The Penn State Executive Programs were founded in 1950 and since then have served more than 10,000 clients. Statistics show that more than 600 executives, from 40 countries and over 200 companies, attended programs at University Park last year.

Alumni Fellow will visit Medical Center

Norman W. Barton, College of Medicine Class of 1976, has been named the 1991 Alumni Fellow at the Hershey Medical Center. He will visit Monday, Sept. 16.

Dr. Barton has been chief, clinical care unit, Developmental and Metabolic Neurology Branch, Division of Intramural Research (DIR), National Institutes of Neurological Disorders and Stroke (NINDS), Bethesda, Md., since 1985. From 1981 to 1985 he was a staff neurologist, Developmental and Metabolic Neurology Branch, DIR, NINDS.

Dr. Barton's research interests include disorders of metabolism, degenerative neurological diseases and molecular genetics. He is a member of the American Academy of Neurology and American Society for Neurological Investigation.

Before joining NINDS, he served a neurology residency at Cornell University, The New York Hospital, New York, N.Y., from 1978 to 1981 and a medical residency at Albany Medical College Hospital, Albany, N.Y., from 1976 to 1978.

Prior to pursuing a medical degree, Dr. Barton received a Ph.D. from Penn State in 1974. He was a research assistant in the Department of Biological Chemistry at the Hershey Medical Center from 1971 to 1973 and a medical scientist fellow in biological chemistry at the Medical Center from 1973- 1976.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Homecoming

(Continued from Pege 1)

8:45. The rain date is Oct. 17.

After the Homecoming parade on Friday, celebrations will continue at 7:30 p.m. with a candlelight vigil on the steps of Old Main and an alumni reception at Rec Hall at 8 p.m. The traditional guarding of the Nittany Lion Shrine will begin at 10 p.m. and last until 2 a.m.

The Nittany Lion Football Team will play the Scarlet Knights of Rutgers at 1 p.m. on Saturday, Oct. 19.

Homecoming activities continue on Sunday, Oct. 20, with the Fun Run starting at 9 a.m. Registration for the Fun Run will be held in 203B HUB until Oct. 4. Participants also may register on the day of the run.

Promotions

Clerical

Kelly O. Henry to secretary A in Earth and Mineral Sciences.
Annette H. Woytowich to secretary B in Office of Human Resources/CES.
Florence E. Rearick to clerk, bibliographic processing in University Libraries.
Sally C. Shaffer to secretary B in Engineering.
Janet R. Shimmel to clerk, accounting A in Corporate Controller's Office.

Technical Service

Howell J. Davis to mechanic A, carpentry, electrical at Penn State Schuylkill Campus.
Joanne Gassert to anesthesia technician at Hershey.
Bing G. Smith to maintenance worker, area landscape in Office of Physical Plant.
Wendy L. Wolf to laboratory technician C at Hershey.
Sheila E. Craft to environmental health worker, group leader at Hershey.
Dennis J. Crust to CCS operator in Office of Physical Plant
William A. Decker to electrician A in Office of Physical Plant.
Mark S. Erdesky to maintenance worker general A at Shenango Valley.
Richard A. Faulkner to CCS operator in Office of Physical Plant.
Cynthia M. Heichel to food production worker B in Housing and Food Services.
Romaine F. Hernley to laboratory attendant A at Hershey.

News in Brief

Tennis tournament
The Penn State Fayette Campus and Nemacolin Woodlands Resort are presenting a world class tennis tournament featuring Peggy Michel, former Wimbeldon champion.

"The Nemacolin Woodlands Champions Cup" will consist of an open men's singles and doubles; women's 30, 40, and 50-year-old doubles, and men's 30, 40 and 50-year-old doubles.

The tournament will be held at Nemacolin Woodlands Sept. 21, 22, 27, 28, and 29, with net proceeds to go toward funding scholarships. For further information, contact Matt Drozd, Penn State Fayette, 412-430-4100.

Negotiating strategies
The man credited with the U.S. response to the skyjacking of TWA Flight 847 and the seizure of the cruise ship Achille Lauro will speak at a seminar sponsored by the Center for Research in Conflict and Negotiation at 6:30 p.m. Tuesday, Sept. 24, in Room 201 Business Administration Building at University Park.

Herbert Cohen, an adviser to presidents Carter and Reagan on the Iranian Hostage Crisis, will discuss "Everyone's a Negotiator: Effective Negotiating Strategies."

Mr. Cohen, currently with the Power Negotiations Institute, Northbrook, Ill., is the author of the best-selling book, *You Can Negotiate Anything*. In addition to his work in political strategy and international relations, he also has extensive experience in the business world, working closely with executives in such situations as hostile takeovers.

Research grants workshop
The Office of Research, College of Agriculture, is sponsoring an informational workshop on the Competitive Research Grants Program of the National Institutes of Health from 9:30 a.m. to noon Tuesday, Oct. 1, in 301 AB Agricultural Administration Building at University Park.

The workshop, open to all interested faculty members, will be led by Fred Marozzi, executive secretary of the Toxicology Studies Section, Division of Research Grants of the National Institutes of Health.

Penn College grant
Pennsylvania College of Technology has been awarded a $326,255 federal grant to launch a Nursing Education Opportunities Outreach Project. Funding for the three-year project, which will impact 100 students annually, will be received from the U.S. Department of Health and Human Services.

The project is designed to assist educationally disadvantaged students enrolled in the college's associate degree nursing program. Primary components of the project include a preliminary education summer program, a preliminary education academic year program, a retention program, and the hiring of a full-time nursing career instructional specialist and three professional tutors.

Clinic re-accredited
The Speech and Hearing Clinic has been re-accredited by the American Speech-Language-Hearing Association. The accreditation, granted by the professional services board of the association, certifies that the clinic meets or exceeds national standards for providing high-quality professional care.

The clinic, which diagnoses and treats people who have speech, language, or hearing disorders, also provides a setting for students to gain professional experience and for faculty to conduct research. It is part of the Department of Communication Disorders in the College of Health and Human Development.

Visiting scholar
Jonathan Plaut, president of Allied-Signal Environmental Services Inc., is serving as visiting scholar in environmental policy in the Program in Policy Analysis during fall semester.

Mr. Plaut is chairman of the United States Council of International Business's Environmental Committee; the United States regulatory coordinator of the American Chamber of Brussels Environmental and Consumer Affairs European Community Committees.

Focus on the arts

Faculty piano recital

Pianist Carl Blake, assistant dean for recruitment and retention and assistant professor of music, will perform a solo recital at 4 p.m. Sunday, Sept. 15, in the School of Music Recital Hall at University Park.

Carl Blake

The program will include five pieces by Debussy, Chopin's Scherzo No. 3 in C sharp minor, Op. 39 and Beethoven's Sonata No. 32 in C minor, Op. 111.

Dr. Blake has been artist-in-residence at the Yachats Music Festival in Oregon and chair of the music department at Bishop College, Dallas, Texas. In addition to teaching, he has performed in France, England, Jamaica and throughout the United States, including a Carnegie Hall recital debut in 1986.

The concert is free and open to the public.

The arts on Channel 3

Encore! The Final Round Performances of the Eighth Van Cliburn International Piano Competition, airing at 10:30 p.m. Friday, Sept. 13, on WPSX-TV, spotlights pianist Tian Ying, who was 20-years old during this competition and began performing publicly in his native Shanghai at 10 before moving to the U.S. four years later to continue his musical career.

Designed as a tribute to the 200th anniversary of the historic event that gave the world "liberte egalite, and fraternite," a four-part encore of Charles Dickens sweeping story of the French Revolution, "A Tale of Two Cities," begins airing at 8 p.m. Sunday, Sept. 15, on Masterpiece Theatre. Critics hailed the television version as "Dickens the modern way...a blockbuster" with its scenes of Paris in flames as the down-trodden peasants storm the Bastille and overthrow the old order.

Bach's Lunch

The Avant-Garde Trombone Quartet and Euphonasia, a tuba-euphonium ensemble, will perform at 12:10 p.m. Thursday, Sept. 19, in Eisenhower Chapel at University Park.

The 20- minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include a variety of literature from the Renaissance through the 20th century performed by small low-brass ensembles directed by Mark Lusk of the School of Music faculty.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Odyssey on WPSU

On the next Odyssey Through Literature broadcast, host Leonard Rubinstein discusses the effects of American jazz and its rhythms on the writings of his guest, Josef Skvorecky.

A Czech emigre now residing in Canada, Mr. Skvorecky is a professor at the University of Toronto and the editor-in-chief of 68 publishing house in Toronto, as well as the author of eight novels, including *Dvorak in Love* and *The Engineer of Human Souls*.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

George Winston

Piano soloist George Winston will appear in concert at 8 p.m. Thursday, Sept. 19, in Eisenhower Auditorium at University Park. A contemporary jazz musician, he opens the 1991-92 Center for the Performing Arts season.

Mr. Winston's "summer" concert features selections from his three albums and previously unrecorded pieces. In addition to his signature melodic compositions, he will perform his own brand of "hot" music-rhythm and blues, blues, jazz and rock 'n' roll standards.

Patrons are asked to take canned food items to be donated to the Food Bank of State College.

To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

'Gypsy' to be performed

"Gypsy," the classic Jule Styne-Stephen Sondheim musical comedy, will be performed at 8 p.m. Saturday, Sept. 20, in Eisenhower Auditorium at University Park.

The musical, presented by the Center for the Performing Arts, chronicles burlesque stripper Gypsy Rose Lee's early years in vaudeville and her relationship with her ruthlessly ambitious mother, Rose.

Rose, determined to have a vicarious triumph through her children, pushes the vaudeville career of her youngest daughter June. After June fails to become a star, Rose pins her ambitions on the less-talented Louise. Eventually, Louise finds phenomenal success as Gypsy Rose Lee, the star attraction at Minsky's.

A patio party, catered by Joey Z's Be Your Guest Catering, will kick off the festivities at 6:30 p.m. The latin/jazz band, Passport, will provide entertainment. The patio party is open to all patrons.

For more information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Promotions

Staff Exempt

Dean D. Anick to manager, field operations in Agriculture.
Douglas P. Bierly to financial and administrative services officer in Corporate Controller's Office.
Patricia A. Frazier to administrative head nurse at Hershey.
Jeffrey A. Hamman to senior microcomputer system consultant in C&IS - Center for Academic Computing.
Cynthia J. Kane to senior technical programmer/analyst in C&IS-Management Services.
Robert S. Kersavage to graphics developer in C&IS-Center for Academic Computing.
James B. Meyers to advanced engineering aide in Applied Research Lab.
Edmond J. Micucci to senior applications programmer/analyst in C&IS - Management Services.
Linda D. Mullen to administrative assistant in College of Engineering.
Wendy J. Rotz to director of development in Division of Development and University Relations.
James W. Powers to director, financial officers and studies in Corporate Controller's Office.
Patricia T. Thornton to administrative assistant in Continuing Education.
Gerry L. Weaver to system project leader in C&IS - Management Services.
Charles W. Wakefield to manager, food services in Housing and Food Services.
Ruth T. Zook to clinical nurse educator at Hershey.

Staff Non- Exempt

Scott E. Boltz to senior diagnostic radiologic technologist at Hershey.
Ellen B. Brennan to clinical head nurse at Hershey.
Tyshanda V. Emeigh to employee relations assistant in Office of Human Resources.
Christine M. Heimbach to staff nurse/nurse clinician at Hershey.
Juliann T. Horney to clinical head nurse at Hershey.
Martin D. Pickel to research technician at Hershey.
Richard L. Schraf to drafter/designer in Applied Research Lab.
B. Bradley Albertson to research technician at Hershey.
Theresa A. Brosche to clinical head nurse at Hershey.
Rosanne M. Chesakis to library assistant at Schuylkill.
P. Anita Helton to administrative aide in Student Services.
Vickie S. Kramer to library assistant at Behrend College.
Donald R. Kunst to emergency medical service coordinator at Hershey.
Christopher L. Lacoe to clinical head nurse at Hershey.
Kathleen A. McCabe to senior diagnostic radiologic technologist at Hershey.
Susan A. Strauss to data and professional fees coordinator at Hershey.
Debra J. Verne to clinical head nurse at Hershey.

Clerical

Joslyn R. Armstrong to accounting clerk in Student Services.
Mary A. Bieber to secretary A at Berks Campus.
April L. Coleman to patient unit secretary at Hershey.
Lois R. Corl to secretary A in Liberal Arts.
Andria L. De Angelo to bed control clerk at Hershey.
Joette M. Dempsey to clerk A at Worthington Scranton Campus.
Carol L. Dreibelbis to secretary B in Continuing Education.
Jennifer L. Gabrovsek to secretary B in Student Services.
Regina B. Harpster to senior clerk, travel in Purchasing Services.
Shelby L. Hoy to secretary A in Undergraduate Education.
Linda L. Jones to secretary B in Applied Research Lab.
Lorraine L. Lutz to technical secretary B in Applied Research Lab.
Dorothy J. McClintock to senior auditing clerk in Corporate Controller's Office.
Jennifer E. Monsell to data preparation officer B in Agriculture.

University Park Calendar

September 12-22

Special Events

Thursday, September 12

Smeal College of Business Administration Career Fair, 10 a.m.-4 p.m., HUB Ballroom and Ray Lounge. Contact Doris McCool, 865-0916.
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Saxophobia Quartet.
Graduate Student Association, free movie, "Postcards from the Edge," 8:45 p.m., Fisher Plaza.

Friday, September 13

School of Music, Music Today 1991-92, 2:30 p.m., Recital Hall. Dr. Ann Cebuhr, Houston Baptist Univ., on "Which Comes First, The Music or the Words? (or the Chicken and Egg Question Applied to Opera)."

Saturday, September 14

Shaver's Creek, 1-3 p.m., Insects in Disguise. Call 863-2000.

Sunday, September 15

Graduate Student Association, kids, free ice cream, movie, "Charlotte's Web," 2:30 p.m., 102 Kern. Children must be accompanied by an adult.
School of Music, 4 p.m., Recital Hall. Carl Blake, piano.
Carnegie Hall Film Series, 7 p.m., The Story of Women (1988); 9 p.m., The Magnificent Ambersons (1942), 108 Wartik. Free.
Shaver's Creek, 7:30-10 a.m., Bird Breakfast. Call 863-2000.

Monday, September 16

*Australia-New Zealand Studies, lecture, 3:45 p.m., 114 Kern. Dr. Kay Flavell, Univ. of Calif. at Davis, on "Margins, Metaphors and Centers: Reshaping Cultural Identities in Australia and New Zealand."
Penn State Chapter of Phi Beta Kappa, Dept. of Classics, lecture, 8 p.m., 101 Kern. Margaret Alexiou, Harvard Univ., on "The Magic of Greek Wondertales: Spinning Yarns and Weaving Pictures."

Tuesday, September 17

Returning Adult Student Center, Ann McLaren, on "Strategies for Academic Success," 12:30-1:30 p.m., Conference Room, 329 Boucke. Register, 863-3887.

Thursday, September 19

Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Low Brass Chamber Music.
Shaver's Creek, Halloween Trail Meeting for Volunteers, 7-8:30 p.m. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. George Winston.

Friday, September 20

Trustees meet at Univ. Park.
*Teleconference, 2-3:30 p.m., International Lounge, 222 Boucke. "The U.S. and Europe. Forging New Alliances."
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Gypsy.

Saturday, September 21

Shaver's Creek, Nature Guiding Workshop, 10 a.m.-4 p.m. Call 863-2000.

Sunday, September 22

School of Music, 2 p.m., Recital Hall. Janice Wilson, mezzo soprano.
Shaver's Creek, Experiencing Nature's Wonders Through Creative Dramatics, 3-6 p.m. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Masculin/Feminin (1966); 9 p.m., My Darling Clementine (1946), 108 Wartik. Free.

"Gypsy," the classic Jule Styne-Stephen Sondheim musical comedy, will be performed at 8 p.m. Saturday, Sept. 28, in Eisenhower Auditorium at University Park.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays, with Jeff Ballou. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Sept. 16-18 U.S. Army Corps of Engineers. G. Warren Marks, chair; Bill Sterner, coordinator.
Sept. 20-21. 46th Annual Ceramic Forum. Guy Rindone, chair; Barb Impellitteri, coordinator.

Seminars

Thursday, September 12

Combustion and Propulsion, 9 a.m., 506 Keller Conference Center. Dr. Irvin Glassman, Princeton Univ., on "Combustion of Metals Revisited-Thermodynamically."
Ceramic Science-Metal Science, 11:15 p.m., 301 Steidle. Dr. A.B. Lidiard, Oxford Univ. and Harwell Lab. on "Relations Between Tracer and Chemical Diffusion Coefficients."

Friday, September 13

Graduate School of Public Policy and Administration, "The Craft and Art of Policy Analysis," 3:30 p.m., 12 Sparks. Dr. Bruce G. Link, Columbia Univ., on "Public Reactions to Homeless People: A National Survey."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. William Lacy on "Impacts of Agricultural Biotechnology: Social and Value Dimensions."

Tuesday, September 17

Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Kathleen J. Stebe, Johns Hopkins Univ., on "Marangoni Effect on the Motion of Long Gas Bubble in a Liquid Filled Capillary."
Chemistry Colloquium, 3:30 p.m., 55 Osmond Lab. Robert C. Haddon, AT&T Bell Lab, on "Conductivity and Superconductivity in Alkali Metal Doped C60."
Graduate Program in Nutrition, 4 p.m., 108 Tyson. J. Richard Landis on "Attributable Risk Estimation: Issues and Examples."
Biology, 4 p.m., 8 Mueller Lab. Dr. Andrew Clark on "Evolution of Metabolic Regulation."

Thursday, September 19

*Slavic Center, noon, 124 Sparks. Juris Dragins on "The Baltics: The Miracle Has Taken Place." Brown bag.
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. "Improving the Quality of Care in Nursing Homes."

Friday, September 20

Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Andy Rogowski, USDA-ARS, on "Probabilistic Assessment of Agricultural Pollution on Farm and Watershed Scales."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Dr. William Abruzzi on "Ecology and Historical Ethnic Relations in New Mexico."

Exhibits

Chambers Gallery
School of Visual Arts, 2- and 3-Dimensional Design Projects, through Sept. 27.
HUB Galleries
Formal Gallery:
*AFRICOBRA: The First Twenty Years, through Sept. 29.
Kern Galleries
Dane McNeal, weaving, through Sept. 27.
Leah St-Blancard, stained glass, through Sept. 27.
*Wendy Snetsinger, African Safari, an adventure in photography, through Sept. 27.
Paltee Library
West Lobby Gallery:
Glenn Liddy, "Caught in the Legend," through Sept. 20.
Penn State Room:
"JRB: 100, John R. Bracken and the Development of Landscape Architecture at Penn State," through Sept. 30.
Zoller Gallery
Ultra Media, through Sept. 29.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

*Reflects an international perspective

Visiting professor

Victor Israelian, distinguished professor of international relations at the Soviet Diplomatic Academy and long-time high diplomatic official of the Soviet Foreign Ministry and Diplomatic Service, is a visiting Fulbright professor at the University during this academic year.

As a visitor in the Political Science Department and the Slavic and Soviet Language and Area Center, he is teaching two graduate seminars, "Soviet Arms Control Policy" and "The Diplomacy of World War II and the Cold War." He also will lecture on Soviet foreign policy and comparative communist political systems

Appointments

Toni J. Duchi

Jack Matson

Linda Mullen

Sandra M. Vactor

Toni J. Duchi has been named assistant to the dean for public relations in the College of Education. She is responsible for all publications, public information, and alumni activities.

After completing a bachelor of science degree in agriculture science in 1988, Ms. Duchi was named writer/editor in the College of Education, progressing to coordinator of public relations and alumni activities in 1990.

She joined the staff of Penn State in 1982 and has worked in the College of Health and Human Development and the Penn State Alumni Association.

Jack Matson, a prize-winning professor who has developed college level courses in innovative design based on "intelligent fast failure," has been named the first director of the Leonhard Center for Innovation and Enhancement of Engineering Education.

The Leonhard Center, based in the College of Engineering, is a multimillion dollar initiative to revamp engineering education. It was established by **William E. Leonhard,** retired chairman, president and chief executive officer of the Parson Corp. and a 1936 Penn State electrical engineering graduate.

Dr. Matson was chosen for his original and off-beat approach to teaching engineering design and his solid experience in design engineering, according to Carl H. Wolgemuth, acting dean of the College of Engineering and head of the search committee.

"His teaching philosophy is to stimulate creativity by encouraging students to risk failure, and to realize failure is essential to developing design skills and judgment."

Dr. Matson is an expert in waste management, industrial water and wastewater treatment, hazardous waste and expert witnessing. He holds two patents relating to waste water systems and is the founding editor of *Cooling Tower Institute Journal.*

A registered engineer in two states, he was a practicing engineer before beginning his academic career. He joined the University of Houston faculty in 1974 and was promoted to associate professor in 1978.

Dr. Matson received his Ph.D. in environmental engineering from Rice University in Houston. His bachelor's and master's degrees in chemical engineering are from the University of Toledo.

Linda Mullen has been named administrative assistant to the dean of the College of Engineering.

Ms. Mullen, who has been employed in the College of Engineering for the past seven years, previously was head secretary and clerical personnel supervisor in the Department of Mechanical Engineering.

She began work at University Park in 1982 as a secretary in the Home Economics Education Department. She subsequently worked in the departments of Chemical Engineering, Engineering Science and Mechanics and Mechanical Engineering in various clerical and supervisory positions.

Ms. Mullen began working for Penn State in 1978 at the Shenango Campus, where she rose to the position of secretary to the assistant director for university relations. Earlier, she spent five years as a medical transcriptionist in the X-ray department of the Shenango Valley Osteopathic Hospital.

Sandra M. Vactor has been appointed employment specialist in the Office of Human Resources.

A graduate of Gannon University with a B.S. degree in mental health, she received an M.A. degree in counseling from Edinboro University of Pennsylvania.

She served as an adjunct instructor at Mercyhurst College in Erie, and, prior to her appointment at Penn State, was a drug/alcohol therapist, City of Erie School District, Greater Erie Community Action Committee.

Robert Loeb, assistant director of academic affairs at the Penn State Altoona Campus, has been named acting director of academic affairs.

Dr. Loeb earned a B.S. in environmental science from Long Island University and a Ph.D. in biology/geology from New York University. He was an environmental consultant in New York and taught at NYU prior to joining the Altoona Campus Biology Department in 1985.

At the Altoona Campus, Dr. Loeb has taught biology, geology, and environmental science classes. In 1987 he was appointed external grants coordinator and assistant director of academic affairs.

He is active in minority affairs at Penn State as co-coordinator of Men of Color and as a member of the Altoona Campus Environment Team.

Penn Staters

Gerald A. Smith, professor of physics and director of the Laboratory for Elementary Particle Science, presented an invited paper titled "Proton Spectra Following Antiproton Annihilation at Rest in Carbon and Uranium" and a contributed paper titled "Prospects for Neutral Light Quark Meson Spectroscopy Using the Fermilab Antiproton Accumulator" at the Nucleon-Antinucleon Symposium at the Institute for Theoretical and Experimental Physics, Moscow, U.S.S.R.

Arthur K. Anderson Jr., associate professor of architecture, gave the keynote lecture "Contemporary Architectural Expression: Towards a Theory of Contrasts" at the 1991 annual meeting of the Institute of South African Architects in Bloemfontein, Orange Free State. He also gave invited lectures at five architecture schools in South Africa.

James B. Anderson, professor of chemistry, presented a talk, "Toward Exact Quantum Chemistry by Monte Carlo Methods," at the Conference on New Methods in Quantum Mechanics in Paris, France.

Eunice N. Askov, professor of education and director of the Institute for the Study of Adult Literacy, has been named chair of the Research and Public Policy Committee of the National Coalition for Literacy, a Washington, D.C.-based umbrella organization for the advancement of literacy.

Gerard J. Brault, Edwin Erle Sparks professor of French and medieval studies, delivered a paper on the religious matter in the chansons de geste at the XIIth International Congress of the Societe Rencesvals in Edinburgh, Scotland.

Patricia Dunkel, associate professor of speech communication, presented a seminar on "Researching and Teaching Listening Comprehension in a Second and Foreign Language" at Temple University Japan in Tokyo and Osaka.

For her work on the ROSAT international X-ray satellite observatory, **France Cordova,** professor and head of the Eberly College of Science's Department of Astronomy and Astrophysics, has won a NASA Group Achievement Award, the highest award the space agency bestows upon group project members.

Focus on Research

Researchers study diabetics' foot problems

Diabetics need to take special care of their feet to avoid injuries which could result in amputation, according to a University researcher.

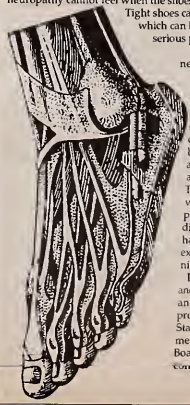
"Sometimes a foot problem can be the first indication of diabetes," Peter Cavanagh, professor of locomotion studies in the College of Health and Human Development, says. Although usually people who develop problems have known about their diabetes for some years.

Diabetes causes damage to the nerves leading to the feet, a condition known as neuropathy. As a result, sensation is lost and diabetes can injure their feet without being aware of it. While not all diabetics have foot problems, those who know they have diabetes should insist their feet be examined regularly by their doctor.

"The doctor needs to estimate the level of sensation in their feet, even if just in a cursory way. Diabetics need to know if they have lost sensation, so they don't do things that could cause injury or severe complications," Dr. Cavanagh says.

"Diabetics experiencing a foot problem should go to a doctor immediately. A minor problem can progress quickly into a serious situation. Diabetes also causes alterations in the blood flow, so healing is slower."

He recommends changing shoes during the day and cautions diabetics against wearing new shoes for more than an hour at a time, because a diabetic with neuropathy cannot feel when the shoes are too tight. Tight shoes can cause blisters, which can lead to a more serious problem.



Diabetics with neuropathy should examine their feet every evening for signs of redness, swelling, discoloration, blisters or cracks around their heels and broken skin. Those with poor vision, also a problem for some diabetics, should have someone else examine their feet nightly.

Dr. Cavanagh and Jan S. Ulbrecht, an adjunct professor at Penn State with a medical practice in Boalsburg, are conducting a number of research projects on the diabetic foot and also are co-directors of the Diabetic Foot Clinic, which opened at the University in 1987.

Peter Cavanagh (left) and Jan Ulbrecht study a computer picture of the foot to determine where the pressure points are located. If the pressure can be alleviated from these areas, it can save the patient pain, money and even the foot.

"We treat patients with a wide range of problems," Dr. Ulbrecht says. "Some already have ulcers or fractures as a result of diabetes, while others are newly diagnosed diabetics who simply want to make sure that they are not at risk for foot injury."

Current patients range in age from 18 to 85. New patients undergo a battery of tests which measure the sensation in their feet, their foot structure, range of motion and foot temperature, as well as estimate the blood flow in the feet and pressure distribution underneath their feet.

"We also take a detailed medical history, do X-rays, blood tests and any other tests that seem warranted. We put this together to try to get a picture of the whole person before placing the individual into a foot risk category," Dr. Cavanagh says.

After analyzing the test results, Dr. Ulbrecht devises a course of treatment based on the individual's immediate needs.

"We also give them educational information on foot care and caution them about dangers. Education about what problems to look for and having proper footwear are the main lines of defense against amputations," he adds.

"If a person who visits the clinic has a very deformed foot, we can provide custom footwear to alleviate the pressure on the area at risk. Ulcers don't heal, because people continue to walk on the injured area," he explains.

"Our treatments run the spectrum of possibilities from trimming callouses off the bottom of feet to ordering bed rest to speed up the healing. Some patients have been hospitalized and some put in a cast to keep pressure off the ulcer."

Dr. Cavanagh adds that approximately 30,000 people in the United States annually have limbs amputated because of complications from diabetes. The prevention of amputations is the clinic's major goal

"An amputation changes a person's lifestyle and is a tremendous psychological blow. The individual loses mobility, some lose independence and some develop a pessimistic outlook on life," he says

— Kimberley Yarnell

News in Brief

Seminar series
Bruce G. Link, associate professor of public health (epidemiology) at Columbia University and research scientist for the New York State Psychiatric Institute, will speak on "Public Reactions to Homeless People: A National Survey" at 3:30 p.m. Friday, Sept. 13, in 12 Sparks Building at University Park.

Dr. Link is the principal investigator on a study that examines the general public's knowledge, attitudes and beliefs about homeless people, funded by the National Institutes of Mental Health.

He is the second speaker in the Graduate School of Public Policy and Administration seminar series on "The Craft and Art of Policy Analysis."

Flavell to lecture
Kay Flavell, a faculty member from the University of California at Davis and a New Zealander, will discuss "Margins, Metaphors and Centers: Reshaping Cultural Identities in Australia and New Zealand" at 3:45 p.m. Monday, Sept. 16, in 114 Kern Building at University Park.

Her presentation is the first of a series sponsored this year by the Australia-New Zealand Studies Center.

Dr. Flavell is associate director of the Humanities Institute and associate professor in the Program in Critical Theory at the University of California at Davis.

Lecture on story-telling
Margaret Alexiou of Harvard University will present a lecture on "The Magic of Greek Wonder tales: Spinning Yarns and Weaving Pictures" at 8 p.m. Monday, Sept. 16, in 101 Kern Building at University Park.

Professor Alexiou has held the George Seferis Chair of Modern Greek Studies at Harvard since 1986. Before that, she was senior lecturer in Byzantine and modern Greek at the University of Birmingham, England.

She is this year's Phi Beta Kappa Visiting Scholar. Her visit is sponsored by the Penn State Chapter of Phi Beta Kappa and the Department of Classics, with support from the Department of Comparative Literature, the Religious Studies Program, and the University Scholars Program.

Red Cross blood schedule
The University Park Campus blood schedule for the remainder of September is: Tuesday and Wednesday, Sept. 17 and 18, HUB Ballroom, 10 a.m. to 4 p.m.; Tuesday, Sept. 24, 101 Kern, 10 a.m. to 4 p.m.; Wednesday, Sept. 25, Robeson Cultural Center, noon to 5 p.m.

All September donors will be eligible to donate again in November for the ninth annual Pitt-Penn State Blood Donor Challenge, which runs Nov. 11-20 at University Park.

Adult student center
The Returning Adult Student Center is sponsoring a program titled "Strategies for Academic Success" at 12:30 p.m. Tuesday, Sept. 17, in Room 329 Boucke Building at University Park.

Ann McLaren, of the Learning Assistance Center, will present the program focusing on: overview of tutoring and other academic support services; classroom strategies (study groups, networking with other students, and techniques to approach faculty), and availability of employment opportunities as a tutor.

Great Valley open house
"Healthy Mind, Healthy Body" is the theme at Penn State Great Valley's Community Open House from 10 a.m. to 2 p.m. Saturday, Sept. 21.

Planned events include presentations focusing on health issues; a panel discussion on balancing a career, family and education; and health screenings administered by Chester County Hospital.

Interactive teleconference
A live, interactive teleconference on "The U.S. and Europe: Forging New Alliances" will presented from 2 to 3:30 p.m. Friday, Sept. 20, in the International Lounge in 222 Boucke Building at University Park.

The teleconference is designed to discuss vital issues concerning existing, new and emerging relationships which will be forged between the United States and European countries.

Participants include U.S. Sen. Richard Lugar, U.S. Rep. Lee Hamilton, Andreas van Agt, ambassador of the European Community to the United States; Steven Ramondt, counsul general of the Netherlands in Chicago, and Detlof von Berg, consul general of Germany in Detroit.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **September 19. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program.

The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01776, Contracts and Proposals Specialist, Senior Vice President for Research and Dean of the Graduate School, Sponsored Programs and Contracts Office, University Park Campus – Responsible to the associate director for meeting the requirements of the University and the various Federal and State agencies, as well as industrial concerns and foundations, with respect to the review and negotiation of contracts, agreements, subcontracts, and grants, to provide recommendations as to acceptance, and to review, analyze, and process proposals and budgets to these same agencies. Requires bachelor's degree, or equivalent, in business with four to seven years of effective experience. Familiarity with University and governmental procedures and policies and computer background desirable but not required. STAFF GRADE 8.

■01777, Student Development Coordinator, Student Services, Student Programs, University Park Campus – Responsible to the assistant director, Student Activities, for providing leadership development for student organizations and groups; Advise and assist organizations in program development; coordinate the Network program, library, and coordinate Project WISE; arrange/conduct training and workshops; assist in completion of research to assess the leadership needs of student organizations. Requires master's degree, or equivalent, in student personnel administration or related field, plus up to one year effective experience, preferably in student activities/leadership training. STAFF GRADE 6.

■01778, Coordinator, Campus Residential Life, Residential Life, Hazleton Campus – Responsible for carrying out specific responsibilities for assigned residence hall areas in the absence of the supervisor. Requires bachelor's degree, or equivalent, plus at least one to two years of effective experience or a master's degree, or equivalent, in student personnel or related field with three to six months of residence hall experience. This is a ten month live-in position. This is a fixed-term position funded through May 1992. STAFF GRADE 6.

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William E. Campbell Jr., Editor
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Kathy Garman, Calendar

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INTERCOM

September 19, 1991 Volume 21, Number 5

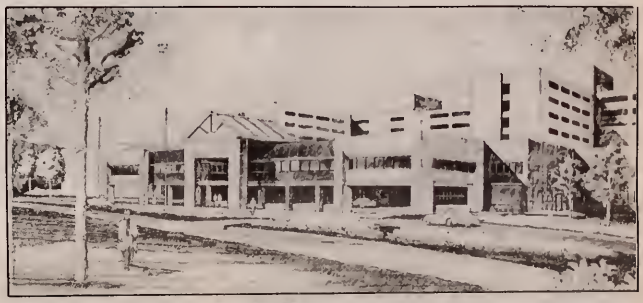
University Hospital will preview new East Addition

The University Hospital at the Hershey Medical Center will preview its East Addition on Saturday, Sept. 21, with a public open house from 11 a.m. to 3 p.m.

The East Addition contains approximately 100,000 square feet on three levels, with one level below ground. With the addition, the hospital's main entrance will be relocated from the north to the east.

Allan C. Anderson, vice president and chief operating officer of the Medical Center and director of University Hospital, says, "With the opening of the East Addition and relocation of patient and visitor parking, we are making the hospital more accessible for patients and visitors. The east Addition, like the recently opened South Addition, will bring added comfort and convenience and a range of fully integrated patient-care services to our patients."

At the entrance level of the East Addition is admissions, a gift shop, volunteer services, social services and the patient advocate's office. The new preadmission and admission center includes waiting areas, private interview offices, anesthesia pre- hospitalization services and testing facilities, which will include radiology, laboratory and EKG services. The cashiers and financial counseling departments will be centrally located adjacent to admissions.



Artist's rendering of University Hospital East Addition

On the second floor is a new 24-bed surgical intensive care unit. The unit includes family waiting areas and restrooms for visitors. An expanded pain management clinic and same day unit also are located on the second floor. The same day unit, with 22 beds, prepares patients scheduled for surgery the same day as admission. Lithotripsy patients are preoperatively prepared and then recovered in this area

On the ground level are the orthotics/prosthetics and adaptive seating laboratories. The orthotics/prosthetics laboratory fabricates and customizes braces and artificial limbs for patients. The adaptive seating laboratory fabricates specialized seating through modern technology for adults and children. Also on the ground floor is central stores, which distributes and stores medical/surgical supplies for the hospital.

Parking for patients and visitors will be relocated at 6 a.m. Saturday, Sept. 28, to parking lot E directly in front of the new entrance and to the parking garage south of the hospital.

Acting executive officer named at McKeesport

August H. Simonsen, professor of environmental sciences at the Penn State McKeesport Campus, has been appointed acting campus executive officer of the campus, effective Oct. 1.

Dr. Simonsen began teaching as an instructor at the McKeesport Campus in 1970, and was named professor last spring. He teaches courses in physical and historical geology, physical and cultural geography, earth system science and meteorology

In 1990 he received the College of Earth and Mineral Sciences Matthew J. and Anne C. Wilson Outstanding Teaching Award, and he received the AMOCO Foundation Outstanding Teaching Award from Penn State in 1982.

His research interests include the Wymps Gap limestone in southwestern Pennsylvania and integrating computer technology into paleobryozoological research. In 1990 he received a Penn State Research Development Grant for image processing and analysis of systematic paleontological studies.

A member of the University Faculty Senate and of the University Senate Council, he is co-chair of the Commonwealth Campus Caucus. He also has served on the McKeesport Faculty Senate.

Currently, he is a member of the search committee for the senior vice president and dean of the Commonwealth Educational System, and he served on search committees for the dean of the College of Earth and Mineral Sciences in 1985 and the executive vice president and provost of the University in 1983-84. He is a member of the University Task Force on Undergraduate Education.

Dr. Simonsen has been active in the community and has been a volunteer at the Carnegie Institute and a member of STOP.

See 'Simonsen' on Page 3.

August H. Simonsen

Panel discussion on college sports set

"College Sports: Who's in Charge?" will be the focus of a panel discussion at 1 p.m Saturday, Sept. 21, in Kern Building Auditorium at University Park.

The discussion is open to the public and will include audience participation. Attendance is free, but anyone interested in attending should pick up tickets in advance from the Department of Exercise and Sport Science, 109 White Building.

The program will focus on the report of the Knight Foundation Commission on Intercollegiate Athletics, which last spring proposed an agenda of reforms for college sports. It is co-sponsored by the Department of Exercise and Sport Science, in the College of Health and Human Development, and the Knight Commission.

WPSX-TV will tape the discussion for

See 'Sports' on Page 3.

Focus on Diversity

Lecture series on lesbian and gay lives is scheduled

A University of Massachusetts professor will be the first of six prominent scholars scheduled to visit Penn State during the 1991-92 academic year as part of the Third Annual Lecture Series on Contemporary Scholarship on Lesbian and Gay Lives on Sept. 26.

Patricia S. Griffin, professor of physical education, will kick off the series with a lecture titled, "Changing the Game: Lesbians, Homophobia, and Women's Sports. The lecture will begin 8 p.m. in the HUB Assembly Room. The series is sponsored by the Equal Opportunity Planning Committee and the College of Health and Human Development's Human Development and Family Studies program.

Dr. Griffin has written widely about the misconception about lesbians and sports, and is nationally known as a consultant for professional sports organizations.

Other scheduled lectures include:

"Tongues Retied," by independent filmmaker and University of California-Berkeley faculty member Marlon T. Riggs, also producer of the controversial documentary "Tongues Untied," Oct. 19.

"Mental Health Issues for Lesbian and Gay Men: An Affirmative Perspective," by University of Vermont clinical psychologist Ester D. Rothblum, Nov. 7.

"The Invention of Heterosexuality: A History," by community historian Jonathan Ned Katz, Feb. 12.

"A Lesbian Tour of Paris -- 1900 to 1991," Pace University professor of English Karla Jay, March 13.

"Birth of a Notion: Black Lesbian and Gay Imagery in Film and Video," by independent film and video producer-director and poet Michele Parkerson, April 8.

The series is co-sponsored by the Black Studies Program, the Center of Women Students, the Paul Robeson Cultural Center, the School of Communications and the Women's Studies Program. Coordinators of the series are Anthony R. D'Augelli, associate professor of human development and Lisa Henderson, assistant professor of communications.

Educational partnership signed

The Penn State Wilkes-Barre Campus and the Wilkes-Barre Area School District have signed into agreement the first formal educational partnership in the greater Wilkes-Barre area.

"Penn State Wilkes- Barre seeks to establish a partnership with the school district to support the educational needs of a multi-cultural, multi-ethnic, economically diverse student population," William A. Pearman, campus executive officer, said.

"We already have established ties with national companies such as Procter & Gamble and Nabisco; community organizations like the Luzerne County Human Resources and the Economic Development Council of Northeastern Pennsylvania, and the University's colleges of Education, Engineering, Agriculture, and Health and Human Development to support the Partnership. Our campus is acting as a broker and catalyst to bring together a multitude of resources."

Vera Cornish, assistant to the director of student programs and services at Penn State Wilkes-Barre, said the Partnership's first programs will be diversity training for teachers at G.A.R. High School and Heights Elementary School.

Diversity Opportunities Calendar

Wednesday, Sept. 25
Center for Women Students, noon to 1 p.m., 120 Boucke Building.

Brown bag lunch film and discussion program titled, "Out in Suburbia." Discussion will be facilitated by Sabrina C. Chapman, Center for Women Students director.

Thursday, Sept. 26
Office of the Vice Provost, 8 a.m., Paul Robeson Cultural Center. Open forum with the James B. Stewart, vice provost for underrpresented groups. Students, faculty and staff are invited. Coffee and donuts will be served.

Equal Opportunity Planning Committee, 8 p.m. HUB Assembly Room. Presentation titled, "Changing the Game: Lesbians, Homophobia and Women's Sports." Lecturer will be Patricia S. Griffin, University of Massachusetts at Amherst professor of physical education.

Through Thursday, Sept. 26
Equal Opportunity Planning Committee 8 a.m. to 6 p.m. HUB Formal Gallery. Art exhibit titled, "Africobra."

Obituaries

Charles Auker, assistant director of computer operations at the Center for Academic Computing, died Aug. 22 at the age of 45.

A U.S. Navy veteran, he attended the Naval Academy and Penn State. He joined the University staff July 1, 1968.

Franklin H. Cook, professor emeritus of business law, died Aug. 12. He was 80.

A 1933 graduate of Bucknell University and a 1936 graduate of Duke Law School, he received a master of arts in economics from Penn State in 1940.

He joined the University faculty in 1937 and taught courses in economics, accounting, public utilities and business law. He retired in 1976.

Following his retirement, he taught a course in the MBA program on corporate morality. In the spring of 1987, he was honored by the College of Business Administration "for 50 years of dedicated teaching and service."

Best known for his work on public utilities, his major research and scholarly contribution was a ratio analysis of the electric power industry, 1940-69, classifying companies according to type and size.

He was the author of more than 35 publications in the areas of accounting, economics and law, including a book, *Business and the Federal Law*.

Memorial contributions may be sent to the Franklin H. Cook Faculty Fellowship in the College of Business Administration or the Renaissance Scholarship Fund, 1 Old Main, University Park.

Mihailo Dordevic, retired professor of humanities and literature at Penn State Harrisburg, died Aug. 16. He was 68.

A native of Yugoslavia, Dr. Dordevic received his M.S. degree in French at the University of Belgrade in 1949. He received his Doctcur es Lettres in modern comparative literature at the University of Paris in 1958.

Prior to joining the Penn State Harrisburg faculty in 1969, he served on the faculty of Western Washington State College, Bellingham, Washington. He retired June 30, 1985.

Lee E. Dorman, dining hall worker, Housing and Food Services, from April 4, 1959, until his retirement June 17, 1975, died Aug. 30. He was 80.

Donald R. Eckley, residence hall worker, Housing and Food Services, from Nov. 1, 1955, until his retirement Dec. 1, 1971, died Aug. 16 at the age of 82.

Maurice W. Green, stack supervisor, University Libraries, from Oct. 1, 1947, until his retirement April 1, 1967, died Sept. 2 at the age of 86.

Edward H. Lesinski, senior research associate, Applied Research Laboratory, since Aug. 21, 1989, died Aug. 28 at the age of 52.

William H. Miller, maintenance worker, utility, Altoona Campus, from Sept. 15, 1969, until his retirement July 1, 1988, died Aug. 13 at the age of 65.

Robert B. Rutherford Jr., retired superintendent of the golf course and ice pavilion, died Aug. 14. He was 86.

He was a 1923 graduate of State College High School and a 1940 graduate of Penn State with a bachelor of science degree in physical education. Hew as employed by the University until his retirement in 1970, after 45 years of service.

He succeeded his father at Penn State as the golf coach and coached golf from 1950 to 1956. In 1956 he was the president of the NCAA Golf Coaches' Association.

He was a member of the Penn State Alumni Association and the Penn State Retirees and was a 50- year member of the State College Elks Club.

Carpooler

Four people needed to start a 7:30 a.m. to 4:30 p.m. vanpool from Snow Shoe to University Park. For more information contact **Patti** at 865-1037 or 387- 4140.

Bookshelf

Lita L. Schwartz, professor of educational psychology at the Penn State Ogontz Campus, is the author of *Alternatives to Infertility: Is Surrogacy the Answer?*

The work serves as a guide to counselors and psychologists who must provide assistance to the many childless couples facing the despair of infertility with a host of new and remarkable social and scientific options.

It addresses the advantages and disadvantages of adoption, reviews the biotechnical techniques developed over the past several decades, and investigates the psychological, ethical, legal and financial ramifications of such choices.

Natalie Isser, professor of history at the Penn State Ogontz Campus, is author of *Antisemitism During the French Second Empire*, published by Peter Lang in the American University Studies History Series IX.

The book fills a vacuum in research concerning French attitudes toward Jews between the French Revolution of 1789 and the Dreyfus Affair.

Based on archival material and contemporary press and journals, Dr. Isser traces the antecedents of prejudice that poisoned French life during the Dreyfus Affair and through World War II to the present.

White House correspondent to visit as Alumni Fellow

Ellen Warren

White House correspondent **Ellen Warren** will receive a 1991 Penn State Alumni Fellow award and meet with faculty and students during a visit to University Park Sept. 25-27.

The title of Alumni Fellow is one of the highest honors that the University bestows on its graduates.

A guest of the College of the Liberal Arts, she will give a public talk on her position as a correspondent for Knight-Ridder newspapers in the context of recent national and world events. At 7:30 p.m. Wednesday, Sept. 25 in the HUB Assembly Hall.

Ms. Warren has covered the White House since 1988, reporting on the last months of the Reagan presidency and following George Bush from his presidential campaign to the present. She traveled with President Bush to Saudi Arabia and Egypt during the Persian Gulf War, to Europe for arms control talks and to the super power meeting with Gorbachev in Helsinki.

As a congressional correspondent from 1987 to 1988, her stories included breaking legislation, analyses, features and profiles. She was political correspondent and a general assignment reporter from 1984 to 1987 and covered the Super Power Summit, spy scandals, grass roots presidential politics, political image-making and the MX missile controversy in Wyoming, among others.

Before joining Knight-Ridder, she was a Washington Bureau correspondent for the *Chicago Sun-Times* from 1978 to 1984 and worked for the *Pioneer Press* in Wilmette, Ill. and the City News Bureau of Chicago.

During that time she covered hard news stories like the Beirut Civil War, the U.S. hostages and the politics of oil as well as Mayor Daley's final years and features such as the wedding of Prince Charles and Lady Diana in London.

A lecturer at universities across the country, Ms. Warren also was a judge for the Robert F. Kennedy Journalism Awards and the Alicia Patterson Fellowships last year.

She graduated from Penn State in 1969 with honors in English literature and received a diplome d'etudes from the University of Paris in 1968.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic colleges. While visiting the campus, Alumni Fellows share their knowledge and experience through classes, informal discussions and public lectures.

Faculty/Staff Alerts

Drug awareness training

This semester's Drug Awareness Training for Supervisors programs are scheduled for Thursday, Sept. 26, and Thursday, Nov. 7, at University Park.

As required by federal legislation, the program provides supervisors and administrators with an orientation to the University's policies and procedures related to alcohol and other drug use at work and an overview of interrelated health concerns.

The program includes information about commonly used drugs, work-related signs of use/abuse and effective use of Penn State employee relations services for intervention with staff and faculty.

Both programs will be held from 8:15 until 11:45 a.m. The cost of the program is $10. To register for the program, please refer to the Human Resource Development Center course schedule. For additional information, call the Human Resource Development Center at 865-3410.

My new weigh of life

Space is still available in the Monday section of My New Weigh of Life, a new weight management program being introduced this fall at University Park.

The 12-week program was developed by Penn State's Department of Food Science and is offered through Cooperative Extension. Taught by a registered dietitian, My New Weigh of Life is an informative, active, individual approach to weight loss and maintenance conducted in a small group setting.

The class will meet on Mondays beginning Sept. 23 from noon to 1 p.m. at the Penn State Nutrition Center, 417 East Calder Way. Cost of the program is $45. For registration or additional information, call the Faculty/Staff Health Promotion Office at 865-3085.

Sports

(Continued from Page 1)

broadcast Sunday, Sept. 29, at 6:30 p.m. on channel 3.

The panelists are:

Bryce Jordan, Penn State president emeritus and a member of the Knight Commission; **J. Lloyd Huck,** a member and former president of the Penn State Board of Trustees and a member of the Knight Commission; **H. Jesse Arnelle,** a member of the Penn State Board of Trustees and a former All-American in football and basketball at Penn State. **Mimi Copperstmith Fredman,** president of the Board of Trustees.

Maureen Devlin, associate staff director of the Knight Commission, will provide opening remarks. **Ronald Smith,** professor of sport history, will be moderator.

The Knight Commission was created in October 1989; its report, released last March, recommended a new model for intercollegiate athletics. The proposed model calls for more control by university presidents, as well as greater emphasis on academic integrity, financial integrity, and independent certification of the integrity of schools' athletic programs.

Simonsen

(Continued from Page 1)

a community environmental group in Scottdale.

A graduate of Concordia College, River Forest, Ill., with a B.S. and an M.A. in Education, Dr. Simonsen received an M.Ed. and D.Ed. in Earth Sciences from Penn State. Before joining the University faculty, he was a teacher and a principal at Trinity School in Long Island City, N.Y., and teacher, science department chair and academic chair at Martin Luther High School in Maspeth, N.Y.

Penn State People

Rodney Smeal

Rodney Smeal repairs a piece of equipment in the Electronics Services Department of the Office of Physical Plant. The shop is responsible for electronic maintenance of all equipment except computers. "We do a little bit of everything, including radio communications equipment, public address systems, video cameras, video recorders, and the scarebaard at Beaver Stadium." Rodney has been in the same job since he started in August, 1981. "I like it a lot," he says. "There's a great deal of variety." (Photo: Greg Grieco).

Focus on the arts

The arts on Channel 3

The 1986 film *A Room With a View*, airing at 9 p.m. Friday, Sept. 20, on WPSX, tells of a young English woman's passionate awakening while on holiday in Italy in 1907. Winner of three Academy Awards, the film is splendidly acted by a cast of veteran actors and is set against the beautiful landscapes of the English countryside and the hills of Tuscany.

Singer Melissa Manchester and jazz great Stan Getz join conductor John Williams and the Boston Pops Orchestra for an evening of smooth pop stylings and lyrical jazz tunes at 9 p.m. Saturday, Sept. 21 on Evening at Pops.

Live From Lincoln Center will offer New York City Opera's production of Mozart's "Le nozze di Figaro" ("The Marriage of Figaro") in celebration of the Mozart Bicentennial at Lincoln Center at 8 p.m. Wednesday, Sept. 25. Appearing in the principal roles will be Elizabeth Hynes as the Countess, Maureen O'Flynn as Susanna, Kathryn Cameroni as Cherubino, Dean Peterson as Figaro and William Stone as the Count. The opera will be sung in the original language, Italian, and English subtitles will enhance the presentation for viewers at home.

Photo exhibit

"The Marias of Revolucion Road" by Margaret Duda and Paul Duda is on display in Pattee Library's East Corridor Gallery through Sept. 30.

The exhibit features photographs of Indian women, called the "Marias" by the Mexican population, and their children, which were taken over the past two years by Margaret Duda and her son, Paul. The women, ranging from teenagers with infants in their reboios to the arthritic elderly, beg or sell trinkets on the sidewalks of Avendia Revolucion in Tijuana in order to feed their families.

Margaret Duda, a professional writer and photographer, has had her photos published in the *New York Times* and numerous books and has had several one-woman shows. Paul Duda also has published and exhibited his work widely and is currently an M.F.A. photography major at Pratt Institute in New York City.

June Miller to perform

June Miller, associate professor of music, will perform in concert at the School of Music Recital Hall at University Park at 8 p.m. Monday, Sept. 23.

The program will feature variations on a colonial tune by the late Roger Boop, who was organist at Park Forest United Methodist Church, State College. Mr. Boop, who died November 1990, received his bachelor's and master's degrees from Penn State and taught music in the Penn's Valley area schools for 20 years.

Ms. Miller also will perform works by three 20th-century composers, Paul Hindemith, Simon Preston and Jean Langlais. In commemoration of the 100th anniversary of its publication, she will perform Variations on "America" by Charles Ives. She also will perform several works by Bach and Vierne.

Solo recital

Mezzo-soprano Janice Wilson, general manager of the Altoona Symphony Orchestra and professional vocalist, will perform in concert in the School of Music Recital Hall at University Park at 2 p.m. Sunday, Sept. 22.

The program will include selections from the "Messiah," "Semele" and "Israel in Egypt" by Handel, "Frauenliebe und-Leben" by Schumann, "Banalities" by Francis Poulenc and "Charm of Lullabies" by Benjamin Britten.

Ms. Wilson, who will be accompanied by Robert Long, director of music at St. Phillips Catholic Church, Fairfax, Va., has been featured soloist with several symphony orchestras for performances of works including Handel's "Messiah" and Mendelssohn's "Elijah."

She holds degrees from Westminster College, New Wilmington, and Penn State. She also holds a Certificate of Achievement from the Royal College of Music, London.

HUB exhibit

The "Potter's Guild," featuring the craftworks of 35 or 36 members, is on exhibit until Oct. 6 in the Art Alley cases of the Hetzel Union Building at University Park.

The "Potter's Guild" was founded in 1971 and currently has 42 members consisting of professionals as well as hobbyists.

This vase by Karen Lintner and cream and sugar set by Helen Hargteraad are in the "Potter's Guild" exhibit in the HUB Art Alley cases.

Karen Lintner, past president of the "Potter's Guild," is the chairperson of this featured art alley exhibit.

The HUB Gallery will be open Tuesday to Thursday from noon to 8 p.m., Friday to Sunday from noon to 4 p.m. It is closed on Mondays.

Odyssey on WPSU

Shadow Catcher by Charles Fergus, a 1973 graduate of the University's writing option, is the topic of the next episode of Odyssey Through Literature.

A novel, *Shadow Catcher* blurs history and fiction. In the book, a romantic young Easterner goes along as stenographer on an expedition through the American West in 1913, a journey by private rail car to photograph the "Vanishing Race." He is not content to take notes: While the professional photographers lug around their huge box cameras and set up formal portraits of Native American Indian "types," he hides a spy camera under his vest, one vest button its lens.

"He comes to feel that it is a powerful instrument," Mr. Fergus says. "The camera intensified his conscience."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs at 12:30 p.m. Wednesdays on WPSU, 91.1 FM.

Exhibit of drawings

Marianne Greipp, has an exhibit of drawings on display in Pattee Library's Lending Services Gallery through Sept. 29.

"I enjoy the lines, patterns, and shapes in ordinary things. So representing them on paper is very satisfying," she says.

Ms. Greipp is a senior majoring in art and plans to work in the field of graphic art.

Percussion ensemble

The Penn State Percussion Ensemble will perform in concert in Helen Eakin Eisenhower Chapel at University Park at 12:10 p.m. Thursday, Sept. 26.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will feature Dan Armstrong of the School of Music faculty performing the solo xylophone piece "Frivolity" by G.H. Green, accompanied by marimbas Kevin Taylor, a master of music candidate in percussion performance, will perform Caprice Valsant by G.H. Green, accompanied by marimbas. Scott Slutter, an undergraduate trombone performance major, will perform Counterpoint No. 2 by Nelhybel, with percussion accompaniment.

Yo-Yo Ma in concert

Five-time Grammy award winner cellist Yo-Yo Ma will perform with the German Youth Orchestra at 8 p.m. Friday, Sept. 27, in Eisenhower Auditorium at University Park. The concert is sponsored by the Center for the Performing Arts.

The program will include Zimmerman's Symphony in One Movement, Brahm's Concerto in A minor for Violin and Cello, Op. 102 and Schubert's Symphony No. 9 in C major, D. 944 "The Great."

Ma gave his first public recital at age five; by age 19 he was being compared to such masters as Rostropovich and Casals. He regularly appears with leading conductors and orchestras worldwide.

Although its 150 musicians average 23 years of age, the German Youth Orchestra has earned the kind of stature usually reserved for more senior philharmonias.

Douglas Meyer, associate professor of music, will discuss the evening's program at 7 p.m. in the Greenroom of Eisenhower Auditorium as part of the free lecture series Artistic Viewpoints.

For tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Penn State holiday cards

The Penn State Bookstore on campus is now taking orders for the 1991 Penn State Holiday Card, featuring a sketch of Old Main, a red border on the right hand side, and message: "Season's Greetings and Best Wishes for a Happy New Year."

Orders for 50 cards or more are 40 cents each (net price, no further departmental discounts apply). Boxes of 10 cards are available for $6 (regular retail). Please use a standing order number or limited order to reserve your holiday cards. General funds should not be designated for this purchase; unrestricted departmental gift funds should be used.

Please reply by Oct. 18 to be sure to receive your cards before December. Contact Shirley Baney or Stephanie Luther at 863-2512 or 863-3558, or Elizabeth Wilson at 863-3250.

The arts at...

Altoona Campus

Our Young Black Men Are Dying and Nobody Seems to Care, an off- Broadway play written by James Chapman, is being presented at the Penn State Altoona Campus on Tuesday, Sept. 24

Performed by Living the Dream, a four-person Black ensemble from New York, *Our Young Black Men* is a procession of vignettes featuring characters such as Big Belly Bob, in *Women Love Me;* the Cop, in *It's the Badge, not the Color;* the Little Boy, in *Have you seen my Daddy?;* and many other real people from Chapman's experiences.

The performance begins at 8 p.m. in the Paul R. and Margery Wolf Kuhn Theatre. The public is invited and tickets for general admission are $3. Parking is available adjacent to the Community Arts Center.

University Park Calendar

September 19 - September 29

Special Events

Thursday, September 19
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Low Brass Chamber Music.
Shaver's Creek, Halloween Trail Meeting for Volunteers, 7-8:30 p.m. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. George Winston.
Friday, September 20
Trustees meet at Univ. Park.
■Teleconference, 2-3:30 p.m., International Lounge, 222 Boucke. "The U.S. and Europe: Forging New Alliances."
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Gypsy.
Saturday, September 21
Shaver's Creek, Nature Guiding Workshop, 10 a.m.-4 p.m. Call 863-2000.
School of Music, 8 p.m., Recital Hall. Smith Toulson, clarinet.
Sunday, September 22
School of Music, 2 p.m., Recital Hall, Janice Wilson, mezzo soprano.
Shaver's Creek, Experiencing Nature's Wonders Through Creative Dramatics, 3-6 p.m. Call 863- 2000.
Carnegie Hall Film Series, 7 p.m., (1966); 9 p.m., Darling Clementine (1946), 108 Wartik.
Monday, September 23
Academic Assembly, open discussion on the "Quality of Penn State Education," 7 p.m., HUB Fishbowl.
School of Music, 8 p.m., Recital Hall. June Miller, organ.
Tuesday, September 24
Professional Women at Penn State, Brown-Bag Lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Louise Sandmeyer on "A Survival Package for First Time Supervisors."
Lecture, 6:30 p.m., 201 Business Administration. Herbert Cohen, an adviser to presidents Carter and Reagan on the Iranian Hostage Crisis, on "Everyone's a Negotiator: Effective Negotiating Strategies."
Carnegie Hall Film Series, 7 p.m., Indemnity (1944); 9 p.m., Me In St. Louis (1944); 108 Wartik. Free.
■Josephine J. Rhea Lecture on Italian Letters, 8 p.m., 112 Walker. Robert C. Melzi, Widener Univ., on "Columbus, Vespucci and Other Italian Navigators: The Impact of the Discovery of the New World on Sixteenth Century Italy."
Wednesday, September 25
Penn State Chapter of Nat. Assoc. of Science Writers, Brown Bag Lunchtime Roundtable Series, 11:45 a.m., 312 Kern.
Center for Women Students, Brown Bag Lunch, Film/Discussion, "Out in Suburbia," noon-1 p.m., 120 Boucke.
Public lecture, 7:30 p.m., HUB Assembly Hall. Ellen Warren, White House correspondent for Knight-Ridder newspaper, will discuss her position as it relates to recent national and world events.
Thursday, September 26
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Percussion Ensemble.
WISE Forum, brown bag lunch/panel discussion, 12:15-1:15 p.m., Frizzell Room, Eisenhower Chapel. Panel will address the question "Have Things Changed Over The Past 20 Years For Women In Science And Engineering?"
Women's Alliance, 5 p.m., Kunkle Lounge. Mimi Coppersmith Fredman on "The Art of Leadership."
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly Room. Pat Griffin, Univ. of Massachusetts, on "Changing the Game: Lesbians in Sports."
Friday, September 27
■Center for the Performing Arts, 8 p.m., Eisenhower Aud. Yo-Yo Ma, cello, and the German Youth Orchestra.
Saturday, September 28
Shaver's Creek, Birding By Song, 8:30-10:30 a.m.; Owl Prowl, 7-9 p.m. Call 863-2000.
Hort Show, 10 a.m.- 6 p.m., Ag Arena. Also 9 a.m.-5 p.m., Sept. 29.
Sunday, September 29
School of Music, 4 p.m., Recital Hall. Paula Hepfer.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Sept. 23-24. Stormwater Management/ Wetlands/Floodplain Symposium. Gert Aron, chair; Barb Impelliteri, chair.
Sept. 23-25. Water Environmental Control in Coal Mining. Harold Lovell, chair; Norm Lathbury, coordinator.
Sept. 24-27. Bioreactors for Cell Cultures. Kamal Rashid, chair; Jerri Milsom, coordinator.

Seminars

Thursday, September 19
Polymer Science, 9 a.m., 301 Steidle. Alok Kumar on "Polyolefin Immobilized Lewis Acid Catalysts; Carbocationic Polymerization of Isobutune."
■Slavic Center, noon, 124 Sparks. Juris Dragins on "The Baltics: The Miracle Has Taken Place." Brown bag.
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. "Improving the Quality of Care in Nursing Homes."
Friday, September 20
Center for Research in Conflict and Negotiation, 2 p.m., 333 Beam Business Admin. James Laue, George Mason Univ., on "Getting to the Table: Prenegotiation Processes in Complex Disputes."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Andy Rogowski, USDA-ARS, on "Probabilistic Assessment of Agricultural Pollution on Farm and Watershed Scales."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. William Abruzzi on "Ecology and Historical Ethnic Relations in New Mexico."
Geog. Coffee Hour, 4 p.m., 319 Walker. Erica Schoenberger, Johns Hopkins, on "Corporate Transformations and Regional Development: Lockheed and the Pre-History of Silicon Valley." Refreshments, 3:30 p.m.
Monday, September 23
Polymer Science, 10 a.m., 301 Steidle. Dominique Ausserre, CNRS, LeMans, France, on "Growth of Two- Dimensional Patterns in Ultrathin Copolymer Films."
Tuesday, September 24
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Young-Hwa Kim, 3M Corp., on "Prediction of Bulk and Diffusion Properties of Polymers Using Molecular Dynamics."
Graduate Program in Nutrition, 4 p.m., 108 Tyson. Peter Farrell on "Role of Insulin During Acute and Chronic Exercise."
Wednesday, September 25
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Lawrence D. Brown, SUNY at Buffalo, on "The Importance of Earnings Forecasts to Analysts' Stock Price Forecasts."
Thursday, September 26
Polymer Science, 9 a.m., 301 Steidle. Gary Grest, Exxon Research and Engineering, on "What Can You Learn From Computer Simulations on Polymers."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Walter Sadinski on "Effects of Low pH on Temporal Pond Communities of Central Pennsylvania."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Mark Lane on "Interventions Into the Aging Process -- Biological Perspectives."
Friday, September 27
Polymer Science/Corrosion Center, 11 a.m., 301 Steidle. Robert P. Frankenthal, AT&T Bell Labs., on "Polymer Coating for Microelectronic Applications."
■Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Dennis Calvin on "Influence of Geographic Location on European Corn Borer Management."
Geog. Coffee Hour, 4 p.m., 319 Walker. Eve Grundfest, Colorado, on "Twenty Years of Flooding in the United States." Refreshments, 3:30 p.m.

"The Marias of Revolucion Road"' by Margaret Duda and Paul Duda is on display in Pattee Library's East Corridor Gallery through Sept. 30.

Exhibits

Chambers Gallery
School of Visual Arts, 2 and 3 Dimensional Design Projects, through Sept. 27.
HUB Galleries
Art Alley Cases:
"Potter's Guild," through Oct. 6.
Formal Gallery:
■AFRICOBRA: The First Twenty Years, through Sept. 29.
Kern Galleries
Diane McNeal, weaving, through Sept. 27.
Leah St Blancard, stained glass, through Sept. 27.
■Wendy Snetsinger, African Safari, an adventure in photography, through Sept. 27.
Pattee Library
Lending Services Gallery:
Marianne Greipp, drawings, through Sept. 29.
West Lobby Gallery:
Glenn Liddy, "Caught in the Legend," through Sept. 20.
Penn State Room:
"JRB: 100, John R. Bracken and the Development of Landscape Architecture at Penn State," through Sept. 30.
Zoller Gallery
Ultra Media, through Sept. 29.

TIPS

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are: Weather -234, Arts Line- 345; University Calendar- 456.

■Reflects an international perspective

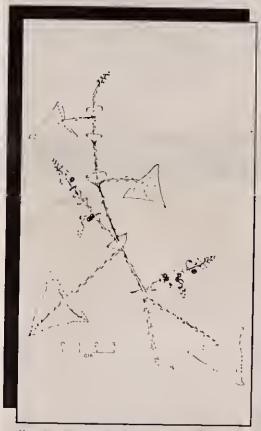
Festival of Cultures

The third annual Festival of Cultures, featuring music, dance, ethnic foods, crafts, and children's activities, was held Saturday, Sept. 14, in State College's Central Parkiet. Below, State College Mayor Arnold Addison, left; Seldon V. Whitaker, superintendent of the State College Area School District, and Vice Provost Grace Hampton open the festival, which was organized by the University, Centre Region Council of Governments and local residents.

Photos by:
Greg Grieco

Focus on Research

Fast-growing weed keeps scientist on the move



Line drawing of pesky mile-a-minute weed. This vinyl plant has the ability to smother small trees in a short period of time

It sounds suspiciously like something dreamed up for a science fiction movie. A weed that can smother fledgling trees, suffocate vegetation and rapidly cover anything up to 15 feet high that gets in its way.

Aptly named mile-a-minute weed, this vinyl plant is not a product of the demented mind of a sci-fi writer but a very real threat to reforestation areas in several states.

University researchers are studying ways to contain the noxious weed — identified by its nearly perfect triangular leaves and iridescent blue, berrylike fruit — in an effort to keep it from spreading across the United States. Because it has fruit-bearing vines, it is believed to be spread by rodents and birds who feed on the plant.

The unwanted vegetation does not actually grow a "mile-a-minute," but it can grow up to six inches in one day and produce a vine up to 25 feet long in one growing season, according to **Nathan L. Hartwig**, professor of weed science, who has been studying the plant since 1972.

"This could turn into an extensive problem in reforestation areas if left unchecked," Dr. Hartwig says. "We are just beginning to look at ways of halting its spread from the southern region of Pennsylvania, where it has a pretty good foothold and is probably beyond eradication."

Mile-a-minute has been propagating at a rapid rate in Pennsylvania and Maryland, two of the states where the unwanted weed has been identified, and will likely reach other parts of the country within the next few years unless quick action is taken.

In a two-year tracking study undertaken in 1989 by Dr. Hartwig, 12 Pennsylvania counties, 13 Maryland counties and two isolated sites in West Virginia were identified as being home to the mile-a-minute weed. Dr. Hartwig says several of the locations in Maryland where mile-a-minute was found border other states.

The weed expert is convinced the plant has already reached Virginia, Delaware and the District of Columbia.

"It is a definite possibility that this weed could spread from coast to coast in the United States, just as the Canada thistle did," he says. "This weed is a danger to Christmas tree growers, nurseries, orchards, the ornamental shrub industry and those who are reforesting previously cut areas. Mile-a-minute could cause serious economic damage."

Dr. Hartwig explains that although mile-a-minute is not currently considered a menace on croplands, it could become a large and costly problem if the use of effective herbicides are some day lost. In addition, mile-a-minute is overrunning roadside right-of-ways and stream embankments.

"Under the popular no-tillage cropping practices, this is the type of plant that can become a real problem in a very short period of time. If we ignore its presence, we may be creating conditions for full-fledged spread and infestation," he says.

The Pennsylvania Department of Agriculture is taking the threat seriously and has authorized Dr. Hartwig to investigate herbicides that will stop mile-a-minute in its tracks.

"We know that using Roundup, a non-selective herbicide that kills everything, eradicates the weed. We need to find something that can kill mile-a-minute but will not hurt the vegetation it is smothering."

Dr. Hartwig is aware of a herbicide approved for use on soybeans that has the power to selectively wipe out mile-a-minute, but whether its use for this weed will be permitted by the federal government is not yet known.

"Some states are not even recognizing this weed yet because it has not posed a threat to croplands," he says. "They may pay for it in the long run because this plant has the potential to really take off. Anything that can produce a vine of 25 feet in one growing season is doing pretty well and deserves close attention.

"Most of the weeds found in the United States are not native to this country and when I see a plant that is well on its way to becoming a nuisance, I believe we should do everything we can to stop it. Mile-a-minute is just beginning to make itself known and we have the opportunity to expend an ounce of prevention instead of millions of pounds of cure at some time in the future."—

Lisa Rosellini

Nathan Hartwig, professor of weed science

News in Brief

Open discussion session
Academic Assembly, a division within the Undergraduate Student Government, will hold an open discussion session concerning the Quality of Penn State Education at 7 p.m. Monday, Sept. 23, in the HUB Fishbowl at University Park.

This first in a series of events is intended to promote active communication among faculty, students and administration. It will focus on instruction within the classroom.

Professional women
Louise Sandmeyer, Office of Human Resources Development, will speak on "A Survival Package for First Time Supervisors" at the Sept. 24 meeting of Professional Women at Penn State at 11:45 a.m. in the Frizzell Room of the Eisenhower Chapel at University Park.

Professional Women at Penn State is a grass-roots organization coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

Rhea lecture
Robert C. Melzi, distinguished professor emeritus of Italian at Widener University in Chester, will present the annual Josephine J. Rhea Lecture on Italian letters at 8 p.m. Tuesday, Sept. 24, in 112 Walker Building at University Park.

He will speak on "Columbus, Vespucci and Other Italian Navigators: The Impact of the Discovery of the New World on Sixteenth Century Italy." His talk is sponsored by the Department of Spanish, Italian and Portuguese.

Science writers meeting
The Penn State Chapter of the National Association of Science Writers will hold its first meeting of the 1991-1992 academic year at 11:45 a.m., Wednesday, Sept. 25, in Room 313 Kern Building at University Park.

The group will plan its program for the coming year and develop a list of speakers.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

Women's Alliance
Mimi Coppersmith Fredman, chair of the Board of Trustees and president of the Barash Group, will speak on "The Art of Leadership" at the opening program of the Women's Alliance at 5 p.m. Thursday, Sept. 26, in the Kunkle Lounge at University Park.

The Women's Alliance is a town-and-gown organization that provides opportunities for women to meet on a regular basis for discussion, networking and advocacy activities that expand knowledge, improve skills and enhance careers. Membership is open to women from the Centre Region and University communities.

Fall Meat Sales
Meat sales are now being held at the Penn State Meats Lab from 1:30 to 4 p.m. Friday

The Meats Lab is located directly across the road from Beaver Stadium. There usually is a good selection of beef, pork and lamb cuts, as well as several processed items such as summer sausage, regular sausage, scrapple, cured hams, etc.

For additional information, call 865-1787.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **September 26. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01764, Staff Physician, Outpatient Department, Student Services, University Health Services, University Park Campus – Provide primary care to 38,000 students at University Park. The practice features an emphasis on preventive medicine, health promotion and education as well as ambulatory general medicine. Requires Board Certification/Board eligibility in a primary care specialty and valid Pennsylvania license or eligibility to be licensed in Pennsylvania and four to five years of relevant experience plus current CPR certification. Interest in adolescent/young adult medicine desired. STAFF GRADE 10

■01793, Bookstore Manager, Bookstore, McKeesport Campus – Responsible to the director, Penn State Bookstore System, for the purchasing, merchandising, and financial aspects in the day-to-day operation of the bookstore to include supervision of all staff. Consult with campus administration, faculty, and staff to determine course requirements including books and special materials. Keep abreast of new trends in the bookstore industry. Requires bachelor's degree, or equivalent, plus twelve to eighteen months of effective experience in business or retailing. STAFF GRADE 5.

■01794, Senior Drafter, Electromechanical, Applied Research Laboratory, ARL Operations, University Park Campus – Responsible to the supervisor, Water Tunnel Drafting and Design, for the accurate performance of a variety of drafting operations on all types of drawings for electronic, electromechanical, mechanical, hydraulic and acoustic equipment and devices, and for checking the drawings of drafter, electromechanical. Requires associate degree, or equivalent in electromechanical drafting with one to two years of effective experience. U.S. citizenship required. This is a fixed-term position funded through September 30, 1992, with good possibility of re-funding. STAFF GRADE 4.

■01795, Designer, Electromechanical, Applied Research Laboratory, ARL Operations, University Park Campus – Responsible to the supervisor, Water Tunnel Drafting and Design, for the production of designs for mechanical and electrical assemblies and systems working from sketches, conceptual drawings and notes utilizing knowledge of standard drafting practice. Requires associate degree, or equivalent, in electromechanical drawing with three to four years of effective experience in electromechanical drafting. Working knowledge of strength of materials, forces and movements, gear and bearing loadings, basic mechanisms, corrosion protection (environmental and galvanic) and manufacturing processes is highly desirable. U.S. citizenship required. STAFF GRADE 6

■01796, Physician in Charge, Women's Health, Student Services, University Health Services, University Park Campus – Responsible to the director, Clinical Services, University Health Services, to serve as physician leader to provide gynecology and general medical services for students and to supervise nurses and mid-level practitioners in a growing, innovative Women's Health Department. Responsibilities include evaluating, promoting, conserving and maintaining the health of students with special emphasis on female students. Requires a doctor of medicine with Board certification or Board eligibility in obstetrics/gynecology, family practice or internal medicine plus four to five years of previous effective experience in adolescent/young adult medicine. STAFF GRADE 10.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

September 19, 1991
Vol. 21, No. 5

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INTERCOM

September 26, 1991 Volume 21, Number 6

Trustees approve appropriation request for 1992-93

The Board of Trustees at its meeting Friday, Sept. 20, at University Park, approved an appropriation request for 1992-93 that attempts to bridge the gap between the University's catch-up needs and the fiscal challenges currently being faced by both state and federal governments.

The University is seeking a 1992-93 appropriation totaling $292,002,000, including the College of Medicine at Hershey and the Pennsylvania College of Technology in Williamsport. This represents an increase of 12.9 percent over the amount of state appropriation for the current fiscal year.

"The University's appropriation request attempts to balance our desire to limit tuition increases to a minimum while underscoring our belief that the state must understand the serious underfunding the University has faced for more than a decade," according to President Thomas.

"Compared to its peers, Penn State serves more students with fewer dollars," Dr. Thomas told the Board. "The University receives $62 million less in state funding than the average of 40 of the largest public universities. Yet we serve 59 percent more students than the average of those institutions.

"As a result of this situation, which has existed for many years, Penn State has fallen behind in critical areas such as faculty and staff salaries, undergraduate education resources, library materials and facilities, scientific and engineering equipment, computing and telecommunications technology, and major maintenance.

"It is our hope the Commonwealth will endorse a multi-year plan to bring Pennsylvania to the average of the 50 states in public support for higher education."

The most recently available data shows Pennsylvania ranks 44th in appropriations per full time student and 47th in appropriations per capita

> "Compared to its peers, Penn State serves more students with fewer dollars." —President Thomas

In addition to the increase in state funding, the plan approved by the Board calls for a tuition increase that would roughly equal the rate of inflation – 4 percent.

The University budget plan for 1992-93 calls for projected expense increases of $42.1 million for general University operations, a 6.9 percent increase in the general funds budget. This is the portion that supports teaching, research, and public service programs, as well as academic and administrative support activities and maintenance and operation of the physical plant.

More than half of these funds – $24.9 million – will be required for faculty and staff salary adjustments and related benefits. The planning figure for salary increases next year is approximately 6 percent.

Unavoidable employee benefit costs are estimated to increase $7.8 million, with group health care insurance to be the most significant factor. Other increases will result from a rise in Social Security costs.

Projected increases for operations include $1.1 million for the maintenance and operation of new facilities, $500,000 for fuel and utilities, and $2.1 million for a proposed increase in departmental allotments. There has been no increase in department allotments for the past six years.

The budget plan also includes an increase of $5.7 million for critical program needs, with one of the highest priorities being the University Libraries.

The income side of the budget for general University operation calls for $10.4 million to be raised through a 4 percent tuition increase. Another $1.9 million in income reflects additional summer session income from 1991-92.

The Board also asks the state to add an additional $29.8 million, or 12.9 percent, for general University operations, excluding Hershey Medical Center and the Pennsylvania College of Technology.

The budget proposal includes an expense increase at Hershey Medical Center of $2.6 million, or a 6.8 percent increase in the general funds budget. The University requests an appropriation increase of $2.3 million for medical education. Expense increases of $1.9 million are projected for the Pennsylvania College of Technology.

The total increase in the general funds budget for 1992-93, for the overall University, Hershey Medical Center, and Pennsylvania College of Technology, is $46,639,000, or 6.9 percent.

"We believe this budget plan and appropriations request will keep Penn State on course," Dr. Thomas said. "It will enable us to move forward while being sensitive to the concerns of students and their families. We hope we will have the state's support to continue on this path."

Trustees approve a capital budget request. See story on Page 4.

Dr. Dunham named CES senior vice president and dean

Robert E. Dunham, vice president and vice provost, has been named senior vice president and dean for the Commonwealth Educational System, effective Oct. 1.

His appointment was approved Sept. 20 by the Board of Trustees, upon recommendation by President Thomas.

"Dr. Dunham is a successful and experienced administrator who has served the University with distinction in a variety of roles and responsibilities," Dr. Thomas said. "He has earned the broad respect of his colleagues across the Penn State community.

"I look forward to the opportunity to work with him in advancing the future of this University." Dr. Dunham will succeed Dr. Richard E. Grubb, who will retire on Sept. 30.

The senior vice president and dean for the Commonwealth Educational System reports to the Office of the President and works closely with both the president and the executive vice president and provost of the University.

Dr. Dunham has served as vice president and vice provost since 1988 and has spent the bulk of his professional career at Penn State. He received a bachelor of science degree from Otterbein College and his master's and doctoral degrees from Ohio State University. He is a full professor of speech communication.

As vice president and vice provost, he has been responsible for enrollment management, the Affirmative Action Office, the University Registrar, University Testing Services, Office of Student Financial Aid, ROTC, Office of Summer Sessions and the Penn State Educational Partnership Program (PEPP). Prior to this position, he had been vice president for academic services from 1983 to 1988, and from 1971 to 1983, vice president for undergraduate studies.

He has served on many committees at the University, including the President's Administrative Policy Council; Advisory Committee on Planning and Budgeting; the Commonwealth Educational System Planning and Budget Advisory Committee; the Equal Opportunity Planning Committee and as chairman of the CES AD-14 Review Committee.

A member of the State College Choral Society Board of Directors, he also has served on the Centre County

See 'Dr. Dunham' on Page 4.

Robert E. Dunham

Focus on Diversity

For Native American Indian Students

Fellowships are being offered in special education

The University is offering graduate fellowships to Native American Indian students interested in doctoral level training in special education.

The deadline for submitting applications is Nov. 14 for spring semester 1992, and fall semester 1993. It is expected, pending tudget approval, that participants in the program will receive a monthly stipend of approximately $800, remission of tuition, and textbook, dependency and relocation allowances.

The American Indian Leadership Training program is newly established through a grant from the U.S. Department of Education and offers a specific course of study designed to prepare students for positions in higher education.

Seminars focusing on American Indian education and special education are conducted in conjunction with the nationally known native American Leadership Training Program on campus. Special program components include: analysis and synthesis of issues pertinent to American Indian Education. development of research proposals dealing with American Indian special education, conducting research related to these issues, and disseminating findings from research.

It is expected that program participants will develop supervisory skills in personnel training, conceptualize, design, implement and disseminate at least one major research study dealing with American Indian special education, and acquire the skills necessary for quality teacher training.

Participants who complete the program receive a Ph.D. in special education. Program graduates will be qualified for several employment opportunities, including university level positions, special education program coordinator and consultant, special education program developer, and special education positions within the Bureau of Indian Affairs.

Anna Gajar, professor of special education, is director of the program. Applications are now being accepted. For more information, contact her at 226B Moore Building, University Park, PA 16802, or call the program office at (814) 863-2284.

Diversity Calendar

Tuursday, Oct. 3
Women of Color, noon to 1 p.m., Hotel State College, upper level. General luncheon meeting.

Panhellenic Council, 7 p.m., Eisenhower Auditorium. Lecture ty nationally renown writer, activist, scholar and poet, Maya Angelou.

Fulbright grants

All graduate students and graduating seniors who are interested in applying for Fulbright and other grants for graduate study abroad in 1992/93, please see Mary Gage, University Fulbright adviser, University Office of International Programs, 222 Boucke Building, phone: 865-7681. Campus deadline for applications: Sept. 30, 1991.

News in Brief

Medieval symposium
On Oct. 25 and 26, the University of Pittsburgh will host the "Fifth Pennsylvania Symposium on Medieval and Renaissance Studies." The theme of this year's Symposium is: "Patronage of Artists, Writers, and Scientists in the Middle Ages and the Renaissance."

The event, which is rotating annually among Penn State, the University of Pittsburgh, and the University of Pennsylvania, will feature two keynote addresses and four panels, which are devoted to various aspects of patronage in the arts, in music, and in science, especially in Italy, France, Flanders, Germany, and England.

Anyone interested in receiving a copy of the program or attending (and possibly sharing transportation) shpuld contact Gerhard F. Strasser, Dept. of German (863-7485 or 238-7993) by Sept. 27.

Seminar series
Jennifer Mastrofski, assistant professor of human development and family studies and faculty associate in the Center for Research in Conflict and Negotiation, will speak on "Legal Analytical Perspectives: Family Mediation" at 3:30 p.m. Friday, Sept. 27, in the Women's Studies Lounge, 12 Sparks Building at University Park.

Her presentation is part of the series, "The Craft and Art of Policy Analysis," presented ty the Graduate School of Public Policy and Administration.

Nutrition program
The Nutrition Peer Education Program will present a program at 7 p.m. Tuesday, Oct. 1, in Room 329 Boucke Building at University Park.

It will focus on overview of four basic food groups; planning quick, nutritious meals; knowledge of food labeling and smart shopping; and children's dietary needs.

For more information, contact the Returning Adult Student Center at 863-3887 or stop by 323 Boucke.

IDP concurrent workshops
The Instructional Development Program will offer concurrent workshops from 3 to 5 p.m. Thursday, Oct. 10, at University Park.

In Workshop A, Room 203 Shields Building, George B. Kleindorfer, Alumni Teaching Fellow, will discuss "The Intellectual Life of the Young Professor: Balancing Scholarship and Research." In Workshop B, Room 205 Stields, Vicki Williams, assistant director, Audio-Visual SErvices, will suggest methods and procedures and provide actual practice with University media resources.

For registration details, call IDP, 863- 2599, by Oct. 3.

Research seminar
A seminar on how to obtain research funding, co-sponsored ty the colleges of Engineering and Earth and Mineral Sciences, will be held from 8:30 a.m. to noon Saturday, Oct. 12, in 128 Sackett Building at University Park.

Seminar organizers are Mike Reischman and Pete Luckie, associate deans for research in the colleges of Engineering and Earth and Mineral Sciences, respectively.

The program includes presentations by Marshall Kaplan, a national expert in research funding, and Deans Reischman and Luckie. Dr. Kaplan will speak on "Obtaining Funding for Faculty Research."

The seminar is open to all faculty members on a space-available basis. To register, call Trisha Hunter, 865-1804.

Child care handout
Child Care Program Services, in the Office of Human Resources, has a supplement to help find before- and after-school child care services.

The handout, *A Guide to School Age Child Care Programs in and around the University Park Community, 1991-1992 School Year*, offers a listing of programs with activities and is available ty calling Child Care Program Services at 865-5886.

Men sought for study
The Center for Locomotion Studies (CELOS) at Penn State is actively seeking nondiabetic men between the ages of 50 and 70 who would like to participate in diabetes-related research.

The current study, under the direction of Peter Cavanagh, will help determine changes that take place during standing and walking in diabetic individuals who have decreased sensation in their feet. Nondiabetic male volunteers (who will learn a great deal about their own functional status) are needed for comparison purposes with diabetic individuals.

If you are a male between 50 and 70 years of age and are interested in helping diabetes research by participating in the study, please call Mary Becker, at CELOS: 865-1972.

PSEOP officers
Jenny King, administrative aide, International Cooperative Programs, has been elected president of the Penn State Chapter of Educational Office Personnel. Other officers are Carol Dreibeltis, treasurer; Debra Putt, secretary; Sharon Rolley and Donna Schroyer, members of the Executive Board.

To improve communications and interactions between current and prospective members, the organization has created a liaison position, "Campus Connection." Anyone interested in participating in the group's efforts to generate increased campus interaction, or with suggestions on how this might be done, is asked to contact Linda Shreck, E506 Pattee Library (phone: 814-865- 1858; E-MAIL: LSS).

From the Trustee Docket

University's endowment fund increases

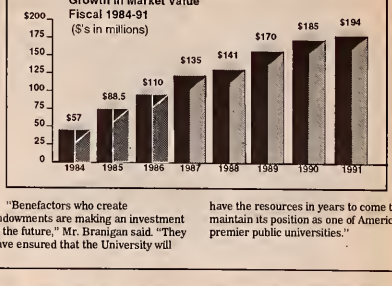
Trustees have learned that the market value of the University's pooled endowment funds stands at nearly $194 million, almost three times the market value five years ago.

According to David E. Branigan, assistant treasurer for the University, the increase -- from $67.4 million in fiscal year 1986 -- reflects new endowments created by private gifts and returns from investments. Over this same five-year period, Penn State has spent approximately $40 million from the endowment in support of academic programs.

"The principal cannot be spent, as the whole intent of an endowment is to provide a stable income over decades. The endowment funds are not a savings account that the University can dip into to solve temporary cash-flow problems," Mr. Branigan said.

Recent investment performance has improved, and is competitive with other endowment funds, he told the trustees. However, the combination of a domestic recession, the Gulf War and the recent unrest in the Soviet Union has amplified the short-term volatility in the financial markets.

According to policies enacted by the Board, only about 5 percent of the endowment's total market value may be spent in a given year. All investment returns above the approved spending rate are retained in the endowment to protect its purchasing power from inflation.



"Benefactors who create endowments are making an investment in the future," Mr. Branigan said. "They have ensured that the University will have the resources in years to come to maintain its position as one of America's premier public universities."

Construction projects

The Board of Trustees has authorized the University to award up to $6 million in contracts for construction of the Mateer Building at University Park.

The two-story building, designed by John M. Kostecky Jr. & Associates of Wormleysburg, will house the College of Health and Human Development's School of Hotel, Restaurant, and Recreation Management. It will be located east of the Keller Conference Center and will physically connect with the Center through two corridors.

Bid winners for the contracts will be announced at a later date. Construction costs will be met with borrowed funds to be repaid by gift funds and other funds available to the University.

In other action, the Board approved final plans for construction of a Science and Technology Center at the New Kensington Campus and expansion of the Study/Learning Center at the Beaver Campus.

The four-level Science and Technology Center will be attached to the south side of the library at Penn State New Kensington. The state-funded center will include a 150-seat lecture room, continuing education and audiovisual suites, a study lounge plus group study rooms, and a multi-purpose room with kitchen.

The budget for the 15,400-square-foot structure is $1.65 million. The project architect is Canzian/Johnston & Associates of Arnold.

The Study/Learning Center at Penn State Beaver will be expanded by approximately 20,000 square feet. The new state-funded construction will include a 378-seat auditorium, a conference center, and areas for the campus radio station and newspaper.

The expanded center also will include office space for the Student Government Association and other student organizations, and for student programs and services. Approximately 2,160 square feet of the existing building will be renovated.

The budget for the project is $2.85 million and the architect is Wallover and Mitchell Inc. of Beaver Falls.

Budget adjustment

The Board of Trustees acted on Sept. 20 to adjust the University's 1991-92 budget as a result of the final appropriation received from the Commonwealth of Pennsylvania.

At the mid-July meeting of the Board, Trustees approved an initial operating budget that was based on anticipated funds of $261,445,000 million from the state. The state budget was eventually approved in early August, and Penn State was provided $258,679,000. This includes an increase of $6.77 million, or 2.7 percent more than the University's 1990-91 appropriation.

President Thomas proposed, and the Board approved, a four-point strategy to accommodate the $2.8 million shortfall.

This initiative includes:

-- No additional tuition increases.

-- Salary increases will be consistent with the package approved by the Board in July, and will be implemented Oct. 1. These increases will not be retroactive to July 1, except in cases where contractual obligations exist.

-- Targeted cuts will be made in the operating budget that was approved by the Board in July.

-- Deans and unit heads will be asked to make some reallocations within academic and support units.

Academic units merge

The Board of Trustees has approved the merger of two academic units in the College of Health and Human Development to form the School of Hotel, Restaurant, and Recreation Management.

The new unit combines the faculty of the former Department of Leisure Studies and the School of Hotel, Restaurant, and Institutional Management.

"This creates a stronger, more visible program in fields that have begun to overlap both at Penn State and in the industry as a whole," Anne C. Petersen, dean of the College of Health and Human Development, said. "The merger allows us to consolidate our strengths in hospitality and capitalize on the growing importance for economic development of commercial recreation, travel, and tourism."

Another change in undergraduate programs approved by the board was the dropping of the major in energy technology at Penn State Harrisburg.

Following curriculum revision, an energy option will be available to students through the mechanical engineering technology program.

Financial aid

The amount of financial aid distributed to University students from scholarships and other forms of private support has increased 62 percent over the last three years, G. David Gearhart, senior vice president for development and university relations, has reported to the Board of Trustees.

In 1990-91, the University disbursed $6.3 million in awards from private sources, compared with $3.9 million in 1987-88.

The number of students receiving this aid rose from 3,454 to 4,927 over the same three-year period, a 43 percent increase. These figures include students at all levels, at all Penn State campuses.

"The rapid gains we've made are due in large part to the marvelous generosity of our alumni and friends," Dr. Gearhart said. "They are sensitive to the cost of higher education, and they are showing an ever- stronger commitment to Penn State."

He noted that since July 1, 1984, the University has received $45.7 million in new funds from private benefactors for scholarships and similar forms of student aid.

About $23.7 million of this amount went to endowed funds. Penn State's total endowment for student aid stood at $44.9 million as of June 30 and was spread over 942 separate endowed funds. The University invests the principal of these funds and uses part of the investment returns for the purpose designated by the donor. Remaining returns are retained to protect the principal from inflation.

The remaining $18.4 million in new funds went to non-endowed forms of student aid -- mainly annually funded loans, grants-in-aid and scholarships. There were 253 non-endowed funds, bringing the total number of student aid funds to 1,195.

Dr. Gearhart noted that total financial assistance to undergraduate students from all sources, public and private, increased 20 percent over the last three years. Undergraduates received $113.5 million in aid in 1990-91, compared with $96.4 million in 1987-88. Meanwhile, costs for in-state undergraduates increased less than 19 percent.

See 'Trustees' on Page 4.

Capital budget request emphasizes academic buildings

The University is further increasing its emphasis on the construction and renovation of academic buildings with the approval of its 1992-93 capital budget request from the state and with the announcement of an internal capital improvement plan.

The Board of Trustees has approved a 1992-93 capital budget request totalling $233.6 million. Among the requests is $129.7 million for new construction projects; $32.5 million for renovation projects; $60.1 million for utility projects; and $11.3 million for original equipment.

"The capital budget proposal was developed in concert with the University's strategic planning and master planning programs," President Thomas said.

The five-year capital budget request is updated annually and submitted to the Department of Education. The request this year includes projects that were deleted by the Governor from the capital budget bill passed by the Legislature last fall.

Of the 23 projects included in the proposal, 19 have appeared in budget requests in previous years.

The specific projects, and amount of funding requested, include:

and classroom building at Penn State Harrisburg, $16.5 million; expansion of the HUB/Robeson Cultural Center at University Park, $20 million; new chemistry building at University Park, $50 million; classroom Building, Phase II, at University Park, $10 million; pedestrian bridge at University Park, $1.7 million; academic support services building at Dubois; $1.5 million, academic support services complex at University Park, $15 million; academic building at Berks, $4.2 million; library addition and auditorium at York, $10.8 million.

Renovation projects in the capital request include:

EE East Building conversion, $3.8 million; renovation of and addition to Ferguson Building, $8.2 million; renovation of Conlin Hall, Wiestling Building and General Studies Building at Mont Alto, $6.7 million; modernization of Sparks Building at University Park, $4.9 million; Reed Building and Carriage House Renovations at Behrend, $2.3 million; renovation and addition to support services facilities at University Park, $6.6 million.

Utility projects in the capital request include:

Improvements and expansion of infrastructure at University Park, $5 million; utility systems expansion and improvements at Berks, $2.7 million; utility systems expansion and improvements at Behrend, $17.4 million; water system improvements at University Park, $7.5 million; water, electrical and telecommunications systems improvements at Mont Alto, $3.3 million; electrical distribution system improvements, Phase I, at University Park, $10.1 million; steam distribution system improvements, Phase II, at University Park, $11.5 million; utility systems improvements at Fayette, $2.6 million.

The Board also was informed about a major internal capital improvement plan for new construction that will be financed using University bonds and other available funds.

The new construction projects in this plan include a new music building; an engineering/EMS Building; a laboratory building at Behrend; an academic support office building and a biology greenhouse.

Renovation projects that are part of the internal capital improvement plan include work at Keller Building, Weaver Building, Patterson Building, Fenske Laboratory, Osmond Laboratory, Pond Laboratory, Whitmore Laboratory, Pattee Library, Kern Building, Rackley Building, Chambers Building, Henderson Complex, Sutherland Building (Ogontz), and the Central Biological Laboratory.

Capital Budget Request
by location

New construction	$ millions
Library/classroom building (Harrisburg)	16.5
HUB expansion/Robeson Center (U. Park)	20.0
New chemistry building (U. Park)	50.0
Classroom building—Phase II (U. Park)	10.0
Pedestrian bridge (U. Park)	1.7
Academic support services building (DuBois)	1.5
Academic suppport services complex (U. Park)	15.0
Academic building (Berks)	4.2
Library addition and auditorium (York)	10.8
Total	$129.7
Renovation projects	
Conklin Hall, Wiestling Building, and General Studies Building (Mont Alto)	6.7
Modernization, Sparks Building (U. Park)	4.9
Reed Building & Carriage House (Behrend)	2.3
E. E. east Conversion (U. Park)	3.8
Renovation/addition, Ferguson Building (U. Park)	8.2
Renovation/addition to support services (U. Park)	6.6
Total	$32.5

Internal Capital Improvement Plan

New Construction Projects
- Music Building
- Engineering/EMS Building
- Laboratory Building - Behrend
- Academic Support Office Building
- Biology Greenhouse

Renovation Projects
- Keller Building
- Weaver Building
- Patterson Building
- Fenske Laboratory
- Osmond Laboratory
- Pond Laboratory
- Whitmore Laboratory
- Kern Building
- Rackley Building
- Chambers Building
- Henderson Complex
- Sutherland Building - Ogontz
- Central Biological Laboratory
- Pattee Library

Dr. Dunham

(Continued from Page 1)

Office of Aging Advisory Board and the Centre County United Way Board of Directors as well as a consultant to many organizations, including Pew Charitable Trust, Rockefeller Foundation, Danforth Foundation and the Pennsylvania Department of Education.

Dr. Dunham is a member of several honorary societies, including Delta Sigma Rho (debate), Pi Gamma Mu (social science), Theta Alpha Phi (dramatic), Skull and Bones, and a honorary member of the Golden Key Society.

Trustees

(Continued from Page 3)

Undergraduate aid from the University's own sources grew by 60 percent over the last three years, from $6 million in 1987-88 to $9.6 million in 1990-91. Private gifts account for a portion of University sources.

Dr. Gearhart said the University hopes to raise an additional $55.7 million from private sources for both endowed and non-endowed student aid over the next three to five years.

New booklet on sexual assault available

The Center for Women Students, the Office of Student Services and the Interfraternity Council are offering a booklet to help men understand sexual assault.

"For Men Who Care . . . Gentleness is Strength" is available for men who have a friend, girlfriend or a sister who has been sexually assaulted and are unsure about how to help. It provides general information about sexual assault as well as guidance for men who are trying to help a loved one after an assault. The pamphlet addresses the man's feelings, as well as the victim's, and focuses on sensitive and appropriate communication skills vital to her recovery.

The last two pages of the booklet contain a directory of campus and local resources for medical treatment, emotional support and safety services, as well as police and legal information.

The pamphlets will be distributed at sexual assault awareness workshops for fraternity pledges in October and during Penn State's Sexual Assault Awareness Week, which starts Nov. 4.

Highlight on undergraduate education

Undergraduate education labeled high priority for University

Enhancing undergraduate education is a high priority for the Board of Trustees whose Committee on Educational Policy met with faculty and administrators in a special workshop Sept. 19 at University Park.

On the workshop agenda were undergraduate instruction, balancing faculty effort in research, teaching and service as well as faculty reward and recognition.

"In recent years, undergraduate education has been overshadowed at many universities by an emphasis on research," John A. Brighton, executive vice president and provost, said. "It's time to take another look at how we balance the efforts of scholarship to be sure that undergraduate education, which has a strong tradition at Penn State, remains strong and improves continuously as we move through the 1990s."

Focusing on the quality of the student experience, the discussions centered on how both research and teaching depend on a broad conception of scholarship and on ways that faculty may be more able to engage students in that scholarship.

The workshop was designed to familiarize the committee with current trends and tensions in undergraduate education in order to address them in greater depth throughout the year.

Making presentations to the committee were: Anne C. Petersen, chair of the Council of Academic Deans and dean of the College of Health and Human Development, Robert A. Secor, president of the University Faculty Senate and head of the English department, Mark S. Stewart, president of the Undergraduate Student Government, and William A. Schreyer, vice president of the Board of Trustees who gave remarks from a trustee perspective.

Penn State's Campaign for Excellence

Task force completes report on status of undergraduate education

Penn State's Campaign for Excellence, a report on the condition of undergraduate education at Penn State, includes specific recommendations for improvement in instruction and learning.

In a report presented Sept. 20 to the Board of Trustees, Scott Kretchmar, chairperson of the Task Force on Undergraduate Education, said eight of the recommendations deal with instruction, 13 address the need to elevate the academic atmosphere and eight look at energizing the learning process.

The 20-member task force, appointed in June of 1990 to assess the strengths and weaknesses of undergraduate education, compared the quality of education here with that provided by other large, public research institutions. Task force members also examined national trends in higher education and identified possible initiatives Penn State could take to enhance the undergraduate experience.

"We believe the timing is right to undertake a campaign for excellence in undergraduate learning and instruction and we want this report to generate more than rhetoric," Dr. Kretchmar said.

The report identifies three conditions that must exist before any change can occur: leadership from the top, necessary resources, and a reliable system of evaluation.

President Thomas has already stated his commitment to enhancing undergraduate education. He also has stated plans to raise expectations and increase accountability for the use of resources.

The report also pinpoints three fundamental causes for possible weaknesses in undergraduate education. As outlined by Dr. Kretchmar, they include "too little status for excellent instruction, too weak an atmosphere for academic involvement and achievement, and too much passivity in the learning process."

The chairperson pointed out that in a recent national survey, faculty polled said they believed research and undergraduate instruction should be given equal emphasis. He said that too often research and instruction are seen as opposites, one detracting from the other, when in reality, they both should be the products of scholarship.

One recommendation Dr. Kretchmar labeled significant dealt with the issue of rewards for both teaching and research endeavors. The task force advised that Penn State adopt a "three-cell" promotion and tenure review structure that includes teaching, scholarship and service.

Other highlights of the report include:

— Establishing a commission on undergraduate education to promote visibility, continuity and accountability. The task force recommends that Penn State embark on a comprehensive and systematic program of assessment of learning outcomes.

— Offering more small classes in order to stimulate student involvement and learning.

— Increasing numbers of courses taught by senior and full-time faculty.

— Initiating a major, multi-year fund-raising effort targeting undergraduate education.

"Penn State is a distinctive institution, both in scope and structure," Kretchmar said. "It is a University on the rise that is well-managed with hard-working and dedicated faculty and staff. It has mustered the resources required to reach goals it believes in and we see no reason why these goals cannot be met."

Three new funds initiated by University to increase research opportunities

Several new initiatives aimed at advancing research opportunities for both faculty and students have been undertaken by University officials as part of Penn State's continued commitment to undergraduate education.

In a presentation Sept. 20 to the Board of Trustees, Gregory Knight, vice provost and dean of undergraduate education, outlined the major initiatives moving the institution toward a renewed emphasis on undergraduate instruction.

"The decade of the 1990s is what I consider the decade for undergraduate education," Dr. Knight said.

To support this view, the University has established the Penn State Fund for Undergraduate Research with funds identified and designated by the Office of the President. In this academic year, the new fund will subsidize activities such as an annual undergraduate research fair, and travel by undergraduate students and their faculty mentors to present their research findings.

The fund is expected to enhance the newly-formed program encouraging undergraduate research participation. This program allows students to gain valuable experience through involvement in faculty-sponsored research projects.

Two other new funds launched this year by the University as part of its dedication to the undergraduate experience are the Penn State Fund for Undergraduate Education and the Fund for Research.

For several years, income from the United Federal Bank Endowment has provided funds for developing new courses or revising existing courses. Dr. Knight said that in the past a number of viable and highly-rated proposals could not be accepted because funds from the endowment fell short. The Penn State Fund for Undergraduate Education will help support a number of additional courses, as well as course components.

The other fund, designated for research, will provide funding to faculty with significant undergraduate teaching assignments.

Dr. Knight said that $100,000 has been allocated for 1991-92 to support half of the research development grant proposals that come from the Commonwealth Educational System. Without this program those proposals would be denied.

In addition, the University has also:

— Established The Undergraduate Fellowship Office.

— Launched the African and African American Studies major and added a Hispanic counselor in the Academic Assistance Programs.

Focus on the arts

Featured author

The Penn State Bookstore on Campus will feature Harold Cheatham, professor of education, to sign and discuss his new book *Cultural Pluralism On Campus* (1991, American College Personnel Association), from noon to 2 p.m. Friday, Sept. 27.

Cultural Pluralism On Campus is a timely and compelling text which challenges college student personnel and human development specialists to initiate cultural pluralism on campus. Dr. Cheatham and 13 other scholar/practitioners explain why developing diversity programs is vital to the future of higher education. The book provides practical information on how to design effective programs and assess the effectiveness of new and existing strategies that promote cultural pluralism.

Curtin Village exhibit

The exhibit, "Penn State and Its Relationship to Curtin Village," will be on display at Curtin Village Sept. 28-29.

The exhibit focuses on the development of the iron furnace, Penn State's pre-1900 history, student curriculum and activities, as well as features on Evan Pugh and James Beaver. It utilizes letters, photos, memorabilia, and publications from the University Archives/Penn State Room located in Pattee Library.

The arts on Channel 3

Robert Frost: Versed in Country Things, airing at 12:30 p.m. Sunday, Sept. 29, on WPSX-TV, features a cross-section of the poems that Robert Frost created while living on his poultry farm in Derry, New Hampshire. Each poem is introduced by a character who, as the spirit of Robert Frost, guides the viewer through the farm and Frost's thoughts.

The Bix Jazz Festival is a two- hour concert that brings the finest in Jazz entertainment to WPSX viewers at 1 p.m. Sunday, Sept. 30. This 20th anniversary festival in tribute to Leon Bismark (Bix) Beiderbecke, who is acknowledged as one of the greatest cornetists of his time, is performed in Beiderbecke's hometown of Davenport, Iowa.

Great Performances kicks off its 19th season with "Everybody Dance Now", an hour-long "Dance in America" presentation exploring the dance used in today's music videos, airing at 8 p.m. Wednesday, Oct. 2.

Concert scheduled

Paula Hepfer, co-founder and program director of the Cumberland Valley School of Music, will perform in concert at 4 p.m. Sunday, Sept. 29 in the School of Music Recital Hall at University Park.

The program will include works by J.S. Bach, Schubert, Copland, Enesco, G.C. Mennoti, Cowell and Bernstein.

Ms. Hepfer will be joined by Meagan Boozer, piano; Tim Gotwald, flute, and Smith Toulson, clarinet.

Art history lecture

Kesler Woodward, associate professor of painting and design at the University of Alaska, Fairbanks, will present "Enigmas, Dilemmas, and Hidden Agendas: the Evolution of the Image of Native Alaskans in the Work of Explorer Artists 1741-1900" at 8 p.m. Tuesday, Oct. 1, in 112 Walker Building at University Park.

The lecture is first in the "Art and the Native American: Perceptions, Reality and Influences" series sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies at Penn State.

In conjunction with the lecture, Pattee Library's Rare Books Room will exhibit a collection of illustrated books, prints, manuscripts and artifacts by explorer artists. The Rare Books Room, W342 Pattee Library, is open Monday through Friday, 8 a.m. to 5 p.m.

Bassoonist Daryl Durran will perform Oct. 2 in the School of Music Recital Hall

Bassoonist to perform

Bassoonist Daryl Durran, assistant professor of music, will perform in concert at 8 p.m. Wednesday, Oct. 2, in the School of Music Recital Hall at University Park.

The program will include solo and chamber music pieces by Francois Couperin, Francis Chagrin, Andre Jolivet, Giovanni Pergolesi, Luigi Cherubini and James Waterson.

Harpist Elizabeth Etters and School of Music faculty members Steven Smith, piano; Eleanor Duncan Armstrong, flute; Suzanne Roy, soprano, and Kim Cook, cello, will join Mr. Durran for the performance.

Pattee exhibit

The Rare Books Room in Pattee Library is featuring the work of artist Joe Servello in an exhibit through Oct. 4.

The exhibit, mounted by Mr. Servello, consists of examples of his various contributions to the art of the book as shown by original drawings, layouts, and additional items.

The Rare Books Room is located in W342 Pattee Library and is open Monday through Friday from 8 a.m. to 5 p.m.

Bach's Lunch

The Penn State Brass Choir will perform in concert at 12:10 p.m. Thursday, Oct. 3, in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The 25 music and non- music majors are directed by Paul Davis, a master's degree candidate in orchestral conducting.

'God's Country'

The controversial drama "God's Country" opens the 1991-92 University Resident Theatre Company season in the Playhouse Theatre at University Park at 8 p.m. Friday, Oct. 4.

Written by Stephen Dietz, "God's Country" investigates the white supremacist movement in the United States. Specifically, the play examines the murder of Alan Berg, Denver-based radio talk show host and outspoken critic of the movement.

Mr. Dietz has accepted the invitation of Robert E. Leonard, director of "God's Country" and theatre faculty member, to attend the production. He will be on campus Oct. 10.

Following each performance of "God's Country," there will be a discussion of the play and its implications for Penn State and central Pennsylvania. The discussions are open to the public.

"God's Country" runs through Oct. 12. For tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Pianist Viardo

Soviet pianist Vladimir Viardo will perform at 8 p.m. Saturday, Oct. 5, in Schwab Auditorium at University Park. The concert, the first in the "Intimate Excursions" series, is sponsored by the Center for Performing Arts.

The program will include Rachmaninoff's Variations on a theme of Corelli, Op. 42, Prokofiev's Sonata No. 4, Op. 29 and three pieces by Medtner: Sonata in A Minor, Op. 30, Canzone Mattinata, Op. 30, No. 4 and Sonata Tragica, Op. 39, No. 5.

Art school courses

Registration has begun for the Saturday Morning Art School conducted by the art education program. Sponsored by the School of Visual Arts, the school offers art courses for children, teens and adults.

Nine new courses are available for immediate registration on a first-come, first-served basis.

A materials fee is charged for each course. Each course includes hands-on art experiences in the professional art studios on campus, art gallery and museum visits, classes with Penn State Visiting Artists and a special family open house and student art exhibit.

To register, call the Art Education Office at (814) 865-6570 Monday through Friday, 9 a.m. to 4 p.m. Classes begin Saturday, Oct. 5, and continue through December.

Odyssey on WPSU

Belgian writers Guy Vaes and Georges Rodenbach give places the dignity and importance of human beings, notes Philip Mosely on the next episode of Odyssey Through Literature.

Dr. Mosely, assistant professor of comparative literature at the Penn State Worthington Scranton Campus, was raised across the English Channel from Belgium, but only a chance encounter with a private writer's club, the Chamber of the Image Makers, turned him into a translator and scholar of Belgian literature.

In "The Image Makers' Chamber," he introduces host Leonard Rubinstein, professor emeritus of English, to Vaes' *Les Cimetieres de Londres* and Rodenbach's *Bruges La Morte*. In these books, the writers are concerned with "the place that exists within the individual, the place that is the trace of each individual's own subjective personal experience," he says.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Swiss artists exhibit

In celebration of the 700th anniversary of the Swiss Confederation, an exhibition of paintings, drawings, prints and sculpture by Swiss artists since 1891 will be held at the Palmer Museum of Art and Zoller Gallery at University Park beginning Oct. 5.

The exhibition, sponsored by the Institute for the Arts and Humanistic Studies, will be on view through Nov. 17.

At the heart of the exhibition is the collection of a Bernese family that has had close ties with a number of artists over four generations. The collection will be expanded by works from the university's holdings and other lenders.

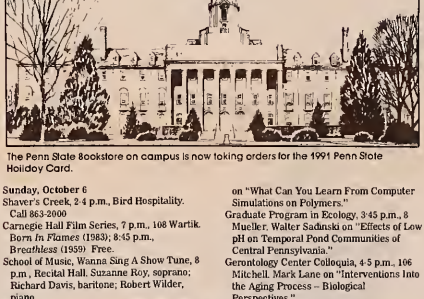
Zoller Gallery also will feature a group of modern posters from the collections of George Mauner and Lanny Sommese, including a set published by Swissair, celebrating its 60th anniversary this year.

University Park Calendar

Sept. 26 -- October 6

Special Events

Thursday, September 26
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Percussion Ensemble.
WISE Forum, brown bag lunch/panel discussion, 12:15-1:15 p.m., Frizzell Room, Eisenhower Chapel. Panel will address the question: "Have Things Changed Over The Past 20 Years For Women In Science And Engineering?".
Women's Alliance, 5 p.m., Kunkle Lounge. Mimi Coppersmith Fredman on "The Art of Leadership."
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly Room. Pat Griffin, Univ. of Massachusetts, on "Changing the Game: Lesbians in Sports."
Friday, September 27
Graduate School of Public Policy and Administration, "The Craft and Art of Policy Analysis," 3:30-5 p.m., Women's Studies Lounge, 18 Sparks. Jennifer Mastrofski on "Legal Analytical Perspectives: Family Mediation."
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Yo-Yo Ma, cello, and the German Youth Orchestra.
Saturday, September 28
Shaver's Creek, Birding By Song, 8:30-10:30 a.m.; Owl Prowl, 7-9 p.m. Call 863-2000
Hort Show, 10 a.m.- 6 p.m., Ag Arena. Also 9 a.m.-5 p.m., Sept. 29
Sunday, September 29
School of Music, 4 p.m., Recital Hall. Paula Hejfer
Tuesday, October 1
Penn State Faculty Workshop, 9:30 a.m.-noon, 301 AB Ag Admin. Fred Marozzi, executive secretary of the toxicology studies section, Division of Research Grants of the National Institutes of Health, on "The Competitive Research Grants Program of the National Institutes of Health."
Nutrition Peer Education Program, 7-8 p.m., 329 Boucke. Register, 863-3887.
Art and the Native American: Perceptions, Reality, and Influences, 8 p.m., 112 Walker. Kessler Woodward, Art Univ. of Alaska, Fairbanks, on "Enigmas, Dilemmas, and Hidden Agendas: The Evolution of the Image of Native Alaskans in the Work of Explorer Artists 1741-1900."
Wednesday, October 2
URTC, student preview, 8 p.m., Playhouse. God's Country. Also Oct. 3.
School of Music, 8 p.m., Recital Hall. Daryl Durran, bassoon
Thursday, October 3
Instructional Development Program/Workshop, "Developing Writing-Intensive Course Proposals," 8-10 a.m., 401 Grange.
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Brass Choir.
Panhel Women's Awareness Week Keynote Speaker, Maya Angelou, writer, activist, scholar and poet, 7 p.m., Eisenhower Aud.
Friday, October 4
Nutrition, informal discussion with undergraduate, graduate students, faculty, 10 a.m., 203 Willard. Christine Lewis, Chief, Clinical Research Section of the Clinical Nutrition Board, Food and Drug Administration, on "A Look at Nutrition Opportunities and FDA Careers." Also 2:30 p.m., 303 Willard. Christine Lewis on "Nutrition and Current Food Labeling Issues."
URTC, 8 p.m., Playhouse. God's Country, continues through Oct. 12.
Saturday, October 5
Shaver's Creek, 5:30 p.m., Members' Fall Feast and Frolic. Call 863-2000.
Center for the Performing Arts, 8 p.m., Schwab Aud. Vladimir Viardo, piano.
Arthur A. Davis, Sec. of the Dept. of Environmental Resources of Commonwealth of Pa., 9 p.m., Nittany Lion Inn. Banquet address, Assoc. of American Geographers, Middle States Div. conference, on "The Environment: Challenges and Realities."



The Penn State Bookstore on campus is now taking orders for the 1991 Penn State Holiday Card.

Sunday, October 6
Shaver's Creek, 2-4 p.m., Bird Hospitality. Call 863-2000
Carnegie Hall Film Series, 7 p.m., 108 Wartik. *Born In Flames* (1983); 8:45 p.m., *Breathless* (1959). Free.
School of Music, Wanna Sing A Show Tune, 8 p.m., Recital Hall. Suzanne Roy, soprano; Richard Davis, baritone; Robert Wilder, piano.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Sept. 30-Oct. 4. Field Training Officer. John Sullivan, chair; Kathy Karchner, coordinator.
Oct. 1-3. Motor Fleet Trainers. Eric Loop, coordinator.
Oct. 3. Residential Building Code Training Program for Pennsylvania Building Code Officials and Inspectors. Jack Willenbrock, chair; Jerri Milsom, coordinator.
Oct. 2-4. Thirty-Seventh Graduate Accounting Conference. Robert Koehler, chair; Chuck Herd, coordinator.
Oct. 3-4. Youth Development Concepts. Jack Sinclair, coordinator.
Oct. 3-4. Conference on Special Education. Chuck Herd, coordinator.
Oct. 3-8. Dynamical Systems. Norm Lathbury, coordinator.
Oct. 4. State Tax Seminar. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Seminars

Thursday, September 26
Polymer Science, 9 a.m., 301 Steidle. Gary Grest, Exxon Research and Engineering, on "What Can You Learn From Computer Simulations on Polymers."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Walter Sadinski on "Effects of Low pH on Temporal Pond Communities of Central Pennsylvania."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Mark Lane on "Interventions Into the Aging Process -- Biological Perspectives."
Friday, September 27
Polymer Science/Corrosion Center, 11 a.m., 301 Steidle. Robert P. Frankenthal, AT&T Bell Labs., on "Polymer Coating for Microelectronic Applications."
■ Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Dennis Calvin on "Influence of Geographic Location on European Corn Borer Management."
Geog. Coffee Hour, 4 p.m., 319 Walker. Eve Gruntfest, Colorado, on "Twenty Years of Flooding in the United States." Refreshments, 3:30 p.m.
Monday, September 30
Distinguished Lecture Series, Computer Science, 3:30 p.m., 325 Whitmore. Robert Cartwright, Rice Univ., on "Soft Typing." Also Oct. 1, "Observable Sequentiality and Abstraction," 3:30 p.m., 325 Whitmore.
Tuesday, October 1
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Ray Gorte, Univ. of Pa., on "Studies of Support Effects on Model Supported Catalysts."
Graduate Program in Nutrition, 4 p.m. 108 Tyson. Frances H. Seligson, Hershey Foods Corp., on "The Nutrition Labeling and Education Act -- From an Industry's Perspective."
Wednesday, October 2
Lecture, 4 p.m., Ag Sciences and Industries Bldg. Aud. Charles M. Rick, Univ. of Calif., Davis, on "Chasing Wild Tomatoes: Ups and Downs of Collecting Germplasm in the Andes."
Thursday, October 3
Polymer Science, 9 a.m., 301 Steidle. Rich Spontak, Proctor and Gamble, on "Morphological Studies of Block Copolymers and Their Blends by Electron Microscopy."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. William Gordon, N.J. Marine Sciences Consortium, on "Our Changing Fisheries... an Ecological Imbalance."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Laura Wilson, Univ. of Maryland, on "A National Panel Study of Health and Aging."
Friday, October 4
Gerontology Colloquium, noon-1 p.m., 101 E. Health and Human Dev. Roger Dixon, Univ. of Victoria.
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Rick Day on "Fragipan 'Leakiness': Measurement and Importance."

Exhibits

Chambers Gallery
School of Visual Arts, 2 and 3 Dimensional Design Projects, through Sept. 27.
HUB Galleries
Art Alley Cases:
"Potter's Guild," through Oct. 6.
Formal Gallery:
■ AFRICOBRA: The First Twenty Years, through Sept. 29.
Kern Galleries
Diane McNeal, weaving, through Sept. 27.
Leah St-Blancard, stained glass, through Sept. 27.
■ Wendy Snetsinger, African Safari, an adventure in photography, through Sept. 27.
Sherry Oberholtzer, hand made baskets, Oct. 1-Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, Oct. 1-Nov. 8.
Palmer Museum of Art and Zoller Gallery
SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, Oct. 5-Nov. 17.
Pattee Library
Lending Services Gallery:
Marianne Greipp, drawings, through Sept. 29.
Historic photographs, sketches, watercolors from the Centre County Library and Historical Museum, Oct. 1-30.
Penn State Room:
"JRB: 100, John R. Bracken and the Development of Landscape Architecture at Penn State," through Sept. 30.
Rare Books Room:
Joe Servello, paintings, through Oct. 4.
Zoller Gallery
Ultra Media, through Sept. 29.

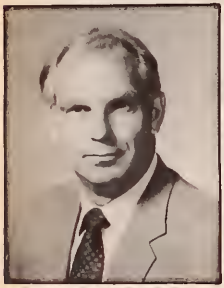
Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather--234; Arts Line--345; University Calendar--456.

■ **Reflects an international perspective**

Awards

Professor receives prestigious award for exceptional work



John McWhirter

John McWhirter, professor of chemical engineering has been named recipient of the Arthur Dehon Little Award for Chemical Engineering Innovation for 1991.

The award, given by the American Institute of Chemical Engineers, recognizes outstanding chemical engineering contributions to a successful new technological innovation of commercial and societal importance. Given no more frequently than once every three years, the award includes a $12,000 cash prize plus a $500 travel allowance.

Dr. McWhirter, who has announced plans to donate the cash award to the Department of Chemical Engineering, is recognized for inventing and marketing the UNOX System at Union Carbide Corporation between 1966 and 1970. He then managed Union Carbide's Environmental Systems Department, which commercialized the UNOX System, from 1970 to 1978. The UNOX System enables the economic substitution of high purity oxygen for air in the activated sludge process for secondary wastewater treatment. The innovative system employs co-current flow, multistaged, enclosed aeration tanks to provide efficient oxygenation and mixing of the activated sludge biomass using a high purity oxygen feed gas. Dr. McWhirter holds eleven U.S. Patents connected with the UNOX System.

Today, there are more than 300 UNOX plants throughout the world. Most of the largest secondary wastewater treatment plants and 30 percent of the total secondary wastewater treatment capacity in the U.S. use this high purity oxygen activated sludge process.

Dr. McWhirter has published two books and numerous papers in the area of wastewater treatment systems. His work has been recognized by several awards including the Kirkpatrick Award for Chemical Engineering Achievement to Union Carbide from Chemical Engineering Magazine and the AIChE; the Schoellkopf Medal from the Western New York Section of the American Chemical Society; a Penn State Outstanding Engineering Alumnus Award and an Outstanding Personal Achievement Award from Chemical Engineering Magazine.

He joined the University faculty in 1986. Prior to that, he worked for Union Carbide Corporation from 1963 to 1986, rising to the position of vice president and general manager.

Dr. McWhirter received his master's and Ph.D. degrees in chemical engineering from Penn State. He holds a bachelor's degree in chemical engineering from the University of Illinois and an executive program certificate from Stanford University.

Eberly College honors chemist for outstanding teaching

John Lowe

John Lowe, professor of chemistry, is the winner of the 1991 C.I. Noll Award for excellence in undergraduate teaching in the Eberly College of Science.

The Noll Award, sponsored by the Eberly College of Science Student Council and Alumni Society, is the college's highest award for teaching. Winners are selected by a student/faculty committee from nominees suggested by faculty, students, and alumni.

A theoretical physical chemist, Dr. Lowe is known for his willingness to help students both in and outside the classroom. Whether teaching a basic chemistry course or an advanced quantum mechanics honors course, his approach is the same — to make science interesting, appealing and, most of all, understandable.

He also has been honored with the 1984 Penn State Undergraduate Student Government Teaching Award and the 1985 AMOCO Foundation Outstanding Teaching Award.

A former high school chemistry teacher and associate program officer of the National Science Foundation Chemistry Division, Dr. Lowe joined Penn State in 1966 as an assistant professor and was named associate professor in 1970 and professor of chemistry in 1986.

He has been the Chemistry Department's assistant head for undergraduate education since 1988 and has served as the department's faculty adviser to the University Scholars Program since 1980.

Dr. Lowe earned his bachelor's degree in 1958 from the University of Rochester, his master of arts in teaching in 1959 from The Johns Hopkins University and his doctorate in 1964 from Northwestern University.

Manager hailed as " best of the best "

J. Arthur Stober, manager of electronic communications in the Department of Public Information, has been awarded a Poor Richard Club 1991 Pro Bono Award for exceptional achievement in audio and video.

Mr. Stober was one of 11 persons recently honored by the club, America's oldest organization of advertising and communication professionals. The Pro Bono Awards were begun in 1990 to recognize the "best of the best" in the fields of communications, science, education, public service, business, sports and entertainment.

J. Arthur Stober

Among his recent accomplishments, Mr. Stober earned Penn State a gold medal from the Council for the Advancement and Support of Education in 1990 for a video public service announcement that described the role of Penn State faculty in designing the proposed Korean War Veterans Memorial. Two of his other television productions have won medals in the Video of the Decade and Great PSAs of the Decade competitions.

Before joining the University staff in 1971, Mr. Stober worked for public and network television stations in Philadelphia, Boston, Miami, and New Haven.

He developed the format and was the original director of "Bandstand," the top daytime program on television in the 1950s. He also directed the first "Jerry Lewis Telethon for MS" and "The Ranger Joe Show," one of television's earliest live western series.

His documentaries include "Synanon," cited in 1965 as among the most important documentaries of its time; "Kennedy At Choate," which was produced in the 24-hour period following the president's assassination and selected for the Kennedy Library at Harvard; and "Robert Frost: A Remembrance," based on the poet's last television interview.

Mr. Stober is a native of Philadelphia and a 1948 graduate of Penn State.

Awards

Ag prof earns academic advising award

Erskine H. Cash, professor of animal science, has received the 1991 College of Agriculture Alumni Society's Excellence in Academic Advising Award.

The award recognizes advisers with outstanding skills in academic advising, individual student goal setting, career planning and personal counseling. Advisers in the College of Agriculture are nominated by alumni, faculty, students and administrators.

As past coordinator of advising for the dairy and animal science baccalaureate degree program, Dr. Cash's responsibilities included recruiting prospective students, orienting new students to the program, assisting other student advisers and maintaining a file of summer and full-time employment opportunities.

"I can think of no other professor more deserving of this recognition than Dr. Cash," said Kenneth Winebark, associate extension agent in Lebanon County, in a letter supporting Cash's nomination.

Erskine H. Cash

Researchers honored for contributions to science

Daniel J. Cosgrove, professor of biology, has been named the winner of the 1991 Charles Albert Shull Award by the American Society of Plant Physiologists (ASPP).

Gregory K. Farber, assistant professor of chemistry and molecular and cell biology, is one of 18 scientists nationwide to receive a 1991 Searle Scholar Award.

The biennial award given to Dr. Cosgrove is named in honor of the first ASPP president and is awarded for outstanding investigations in the field of plant physiology. Winners must reside in North America and be under the age of 40 or fewer than 10 years from the granting of a doctoral degree.

The award consists of a plaque, a $2,000 stipend, and an invitation to speak at the 1992 ASPP annual meeting in Pittsburgh.

According to the society, Dr. Cosgrove was selected for the "superb quality" of his research contributions in furthering scientists' understanding of the biophysics of plant cell enlargement and growth. Scientists believe that once the mechanisms of plant cell growth are understood, there is a greater possibility that plant production can be modified, improved, and even accelerated to benefit humans.

Dr. Cosgrove also has been honored with a 1989-1990 Fulbright Senior Professor Award, a 1989 Guggenheim Fellowship, a 1986 McKnight Foundation Individual Research Award, and a 1984 Presidential Young Investigator Award.

Dr. Farber was chosen from 118 candidates from 72 universities, for exhibiting "evidence of having the potential to make significant contributions to biomedical research over an extended period of time," according to the Searle Scholar Program.

These awards are intended for young biomedical scientists who are newly appointed assistant professors. Each Searle Scholar is awarded a three-year grant of $180,000 to support his or her research efforts.

Dr. Farber, whose research interests concern the structure and function of enzymes, is a specialist in X-ray crystallography. He joined the University faculty in 1990 after completing a postdoctoral fellowship at the University of Wisconsin.

The winner of a 1984 American Institute of Chemists Student Research and Recognition Award, he earned his bachelor's degree in chemistry from Penn State in 1984 and his doctoral degree in physical chemistry from the Massachusetts Institute of Technology in

Archivist recognized with Libraries Award

Leon J. Stout, Penn State archivist and librarian, has received this year's University Libraries Award.

Mr. Stout was chosen by his colleagues to receive the award in recognition of his "preeminence in archives management and his development of the Penn State Room into a major University resource."

He also was honored for "his service to colleagues through membership on numerous governance and promotion and tenure committees, his community outreach as a writer, teacher and speaker, and his personal and professional leadership that has enhanced the local and national reputation of the University Libraries."

Mr. Stout has been with the Libraries and the University since 1972. He received his bachelor's and master's degrees in history from Penn State and a master of library science from the University of Pittsburgh.

He is the author of a number of articles on archival topics and wrote the state assessment report, "Historical Records in Pennsylvania," for the Pennsylvania Historical and Museum Commission.

Recently, he completed a two-year term as chair of the Mid-Atlantic Region Archives Conference, a professional society for almost 1,000 archivists in seven states and the District of Columbia.

Leon J. Stout

Two receive Chambers Memorial Award for dedication

Robin C. Miller, senior accounting clerk, Property Inventory Department, and Patricia M. Krauss, secretary in the Assistant Controller's Office, are the recipients of the 1991 Charles R. Chambers Memorial Award.

The award was established in 1979 by the family and friends of the late Mr. Chambers who was director of accounting at the University from 1967 to 1977. It honors employees of the Controller's Office who "exhibit a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required."

Miss Miller, a graduate of Bellefonte Area Senior High School, has been employed by the University for 17 years. She began her career in the College of Arts and Architecture, and in 1975 transferred to Accounting Operations. In 1977, she was promoted to records clerk in the Property Inventory Department, and in 1990 was promoted to senior accounting clerk.

Mrs. Krauss graduated from Bellefonte Area Senior High School and began her University employment in 1973 in the Bursar's Office as secretary C. In 1977 she was promoted to secretary B to the director of accounting (Mr. Chambers). She was secretary A to the controller in 1979 and since 1982 has been classified as secretary, currently to the assistant controller.

Robin C. Miller

Patricia M. Krauss

Penn Staters

Frank F. Aplan, distinguished professor of metallurgy and mineral processing, has been elected an honorary member of the American Institute of Mining, Metallurgical and Petroleum Engineers "for his innovative, prolific and productive career of outstanding contributions to the integration of theory and practice of processing of coal, ores and industrial minerals."

Z.T. Bieniawski, professor of mineral engineering, delivered a series of invited lectures on "Design Methodology for Tunnels," "Engineering Rock Mass Classifications" and "Educating Design Engineers for Tomorrow" to the Polish Academy of Sciences Research Institutes in Gdansk and in Cracow.

J. Lynne Brown, associate professor of food science, has been elected president-elect of the Pennsylvania Nutrition Council.

Donald A. Bryant, professor of molecular and cell biology, gave an invited lecture, "The Cyanelle Genome of Cyanophora paradoxa: Clues to the Origins of Higher Plant Chloroplasts," at the 75th anniversary celebration of the Institute for Marine Biosciences in Halifax, Nova Scotia.

Steven W. Burr, doctoral candidate and instructor in the Department of Leisure Studies, is the 1991 recipient of the World Leisure and Recreation Association's Tom and Ruth Rivers International Scholarship.

Carlyle Carter, coordinator of Commonwealth Educational System athletics and recreational sports, has been elected third vice president of the National Alliance of Two-Year College Athletic Administrators.

Jude A. Cassidy, assistant professor of psychology, has received the Boyd McCandless Award in the Developmental Psychology Division of the American Psychological Association.

Judith A. Curry, associate professor of meteorology, presented a paper titled "Annual Cycle of Radiation over the Arctic Ocean. Sensitivity to Cloud Optical Properties" at the XX General Assembly of the International Union of Geodesy and Geophysics in Vienna, Austria.

Anthony R. D'Augelli, associate professor of human development, has received the Distinguished Scientific Contribution Award from the Society for the Psychological Study of Lesbian and Gay Issues of the American Psychological Association.

Wolfgang E. Ernst, professor of physics, was an invited researcher at the Max-Planck Institute in Gottingen, Germany. He presented an invited colloquium at the institute and also gave invited lectures at the University of Gottingen, the University of Cologne, and the University of Wurzburg.

Tse-yun Feng, Binder professor of computer engineering, received a Technical Achievement Award in the field of parallel processing and an Outstanding Contribution Award for the founding, organizing and dedicated service to the International Conference on Parallel Processing from the IEEE Computer Society.

Ronald Filippelli, professor and head of the Department of Labor Studies and Industrial Relations, gave invited lectures at Strathclyde University, Glasgow, Scotland, and the International Congress in honor of Eugenio Battisti in Milan, Italy.

Ann Fisher, senior research associate, Department of Agricultural Economics and Rural Sociology and the Environmental Resources Research Institute, has received a 1991 Distinguished Service Award from the International Society for Risk Analysis.

Lee Frost-Kumpf, assistant professor of public administration, has received the Best Dissertation Award from the Public Sector Division of the Academy of Management.

Lynn Carbon Gorell, assistant professor of Spanish, presented "Personality Variables and Authentic Materials: Influences on L2 Writing Development" at the Canadian Association of Hispanists, at Queen's College, Ontario. She also was a keynote speaker and presented a workshop on "Reading to Write: Developing Skills for the Foreign Language Classroom" at the Caribbean Language Conference.

Alan Graefe, associate professor of leisure studies, presented a paper at the Congress of the World Leisure and Recreation Association in Sydney, Australia.

Robert E. Harkavy, professor of political science, has received an Alexander von Humbolt Award to study at the University of Kiel, Germany. He will do research for a book on warfare and strategy in the Third World.

Harold R. Jacobs, professor and head of mechanical engineering, received an Outstanding Alumni Award from The Ohio State University.

Dale Jacquette, assistant professor of philosophy, presented a paper, "The Validity Paradox in Modal S5" at the 9th International Congress of Logic, Methodology, and Philosophy of Science, in Uppsala, Sweden.

President Emeritus Jordan has received the Sheepskin Award for Distinguished Service to Higher Education from the Pennsylvania Association of Colleges and Universities. The award noted that "your clear vision and vigorous leadership on behalf of all sectors' common goals strengthened the spirit which unites Pennsylvania Higher Education."

Iam-Choon Khoo, president of electrical engineering, presented two invited seminars on "An overview of Nonlinear Optics of Liquid Crystals," at the International Workshop on Solid State Materials in Kuala Lumpur, Malaysia. He also presented a series of lectures on "Special Properties of Liquid Crystals for Application" at the National Chiao Tung University, Taiwan.

Roger Koide, assistant professor of biology, presented a paper, "The Effect of Mycorrhizal Infection in Avena Fatua on Nutrient Dynamics of Resultant Seeds and Seedlings and on Growth of Offspring," at the Third European Symposium on Mycorrhizas in Sheffield, England.

Gary H. Koopmann, professor of mechanical engineering and director of the Center for Acoustics and Vibration, has been elected a Fellow of the American Society of Mechanical Engineers.

Leslie Leupp, associate professor of art, was one of 21 invited artists participating in the Fortunoff 1991 Silver Competition, an exhibit of American handcrafted contemporary silver, in New York City.

Thomas Litzinger, associate professor of mechanical engineering, has received a $70,000 grant from Texaco for a one-year extension of a study of intake valve deposits and their effects on engine operation and of the effects of fuel composition on the emissions.

Gary L. Messing, director of the Center for Particle Science and Engineering and professor of ceramic science and engineering, gave the keynote lecture at the first International Symposium on Ceramic Powder Science at Kyungnam University in Masan, South Korea. He also gave invited lectures at the Research Institute of Industrial Science and Technology in Pohang; Agency for Defense Development in Taejon and in Seoul; the Korea Institute of Science and Technology; Hanyang University, and Seoul National University.

Richard S. Meyer, research assistant at the Applied Research Laboratory; M.L. Billet, ARL department head and senior scientist, and **J. William Holl**, professor of aerospace engineering, have been awarded the American Society of Mechanical Engineers Robert T. Knapp Award for the best paper presented to the ASME Fluids Engineering Division during the last two years.

Kevin Murnane, assistant professor of psychology, has received the Irving J. Saltzman Award from the Department of Psychology at Indiana University.

William A. Pearman, campus executive officer at the Penn State Wilkes-Barre Campus, has received the Distinguished Practitioner of Sociology Award from the American Sociological Association.

Anne C. Petersen, dean of the College of Health and Human Development, has been elected president-elect of the American Psychological Association's Division 7 (Developmental Psychology). She will become president in 1992.

Donna M. Rogers, assistant professor of Spanish, has been selected as a Distinguished Humanities (Foreign Languages) Curriculum Innovation award winner in the 1991 EDUCOM Higher Education Software Awards Program for her program "The Evolution of Spanish Sounds Part II: Components in Combination."

Carolyn Sachs, associate professor of rural sociology and women's studies, has been selected as the Rockefeller Distinguished Professor in Rural Women and Feminist Issues for 1991-92 at the University of Iowa.

Domenic Santavicca, professor of mechanical engineering, has received a $70,000 grant from Texaco for a study of the effects of fuel additives and fuel compositions on cycle to cycle variations and unburned hydrocarbon emissions from spark ignition engines.

Michael A. Smyer, associate dean for research and graduate studies in the College of Health and Human Development, has been elected president-elect of the American Psychological Association's Division 20 (Adult-Development and Aging).

H.J. Sommer, professor of mechanical engineering, presented a paper titled, "Three Dimensional Experimental Angular Velocity and Angular Acceleration," at the International Symposium on Three Dimensional Analysis of Human Movement in Montreal, Canada.

Ronda R. Stump, area representative for Continuing Education at Penn State Harrisburg, has received an award for excellence in non-credit program development from the National University Continuing Education Association.

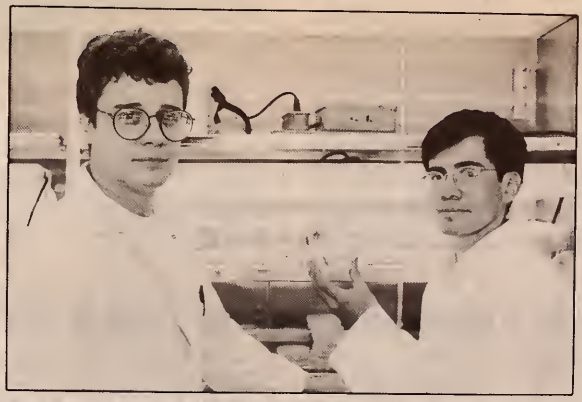
Scientific disciplines mix to discover the healing power of hairy roots

University researchers are duplicating and storing the genetic potential of plant roots that offer promising treatment for AIDS and other life-threatening diseases.

For centuries, compounds derived from plant roots have been used for flavorings, dyes, perfumes, foods and medications. **Hector Flores**, associate professor of plant pathology and biotechnology, has grown root cultures that produce the same chemical compounds as normal plant roots — minus buds, leaves and stems.

In collaboration with **Wayne R. Curtis**, assistant professor of chemical engineering, the two are now working on a method to mass produce the roots in bioreactors — a move that will permit long-term proliferation and maintenance of the roots, and allow easier harvesting of the vital chemicals. Drs. Flores and Curtis recently received a National Science Foundation grant of $567,000 to continue this project.

"Roots possess the ability to produce biosynthetic compounds with a variety of pharmaceutical uses. Unfortunately, many of these medicinal plants are not cultivated, but merely collected. They are quickly disappearing," Dr. Flores says.



Wayne Curtis, assistant professor of chemical engineering, and Hector Flores, associate professor of plant pathology and biotechnology, look over the results of their collaborative efforts.

In his studies, Dr. Flores infected the roots of normal plants with soil bacterium. Acting as a genetic carrier, the bacterium alters the hormone levels of the plant causing the roots to reproduce at a rapid rate. This "hairy root" culture is then sterilized with antibiotics and a root clone is established and maintained in a gelatin medium of mineral salts, vitamins and sugar.

"From this single root tip, one hairy root culture can grow from 2,500 to 5,000 times its size in three weeks," Dr. Flores says. "The potential is there with the hairy root cultures to cultivate needed roots without having to grow the entire plant. It gives us the ability to more closely study the chemical compounds that are being produced and to discover ways to manipulate their biosynthetic capabilities."

Recently, biologically active chemicals derived from the roots of the Chinese cucumber plant were identified in clinical tests in California as a promising treatment for victims afflicted with AIDS.

"We are studying the range of proteins that this vegetable and other plant roots produce. These proteins show promise for not only use on human viruses but also as agrichemical agents."

Dr. Flores has been looking at roots from three plant families that show stable production of medicinal compounds. This initial investigation into the metabolic pathways of plant roots has led him to pinpoint some critical enzymes with the hopes of introducing them into other plants.

"We know that marigold roots have the ability to produce compounds that can kill parasitic worms that cause disease in tomato roots," he explains. "With genetic engineering we hope to introduce marigold roots to the tomato root and produce a tomato plant with the ability to fight off the worms themselves."

While Dr. Flores focuses on understanding and manipulating the biosynthetic possibilities of roots, Dr. Curtis is concentrating on designing trickle-bed and capillary-mat bioreactors to aid large-scale production of the chemicals derived from root masses.

Although bioreactors for growing bacteria were developed years ago, similar habitats for scaled-up root cultures have not evolved.

"Basically, what I'm doing is providing a physical environment for roots to grow in and the root is doing the chemistry," Dr. Curtis says.

The trickle-bed reactor, a glass cylinder filled with a metal matrix to support the roots, allows the root cultures to be bathed in water and nutrients by dripping the solution over them. The needed chemicals produced by the roots are extracted as the water and nutrient solution drains out of the reactor.

The capillar- mat reactors are being developed for roots that must be harvested in order to obtain the chemicals they produce. Here, roots are grown on absorbent mats that allow water and nutrients to flow through and be taken up by the roots as plants do in nature.

The next step in the study of hairy root cultures, according to Dr. Flores, is to convince the roots to create larger amounts of the chemicals in order to produce a steady supply.— **Lisa Rosellini**

78th Horticulture Show set for Sept. 28-29 at University Park

The 78th Horticulture Show will be held from 9 a.m. to 5 p.m. Saturday and Sunday, Sept. 28-29, in the Agricultural Arena at University Park.

Theme of the show, planned, designed and constructed by students in the College of Agriculture's Hort Club, is "Conservation through Horticulture."

The Naturalistic Landscape exhibit features low-maintenance ornamental grasses, flowering perennials, trees and shrubs. The Conservational Landscaping display features native plants of forests and fields that can be incorporated into private landscapes.

Learn how to plant a garden that requires minimal care and chemical fertilizers by visiting the Low-Maintenance Landscaping exhibit. See the effects of different pollutants on our environment at The Heartbeat of Mother Earth display.

The Conservation in the Greenhouse exhibit demonstrates how the greenhouse industry has implemented measures to conserve energy and reduce groundwater pollution. Water gardens have played a significant role in European and Japanese gardens. Find out how to establish and maintain one in your landscape by visiting Aquatic Gardening. The Garden Railways exhibit takes a whimsical look at the British and European practice of creating a landscape featuring a small-scale locomotive track and model train.

All plants used in the show are for sale. They can be reserved and picked up after the show on Sunday from 5 p.m. to 7 p.m. Plants for sale include ornamental shrubs and grasses as well as flowering house plants. Students will sell tulip, lily, daffodil and hyacinth bulbs. Also for sale will be white pines, pumpkins, apples, gourds, mushrooms, assorted vegetables, dried corn and cider.

The Agricultural Arena is located on Park Avenue across from Beaver Stadium. Admission is free.

Faculty/Staff Alerts

Interoffice envelopes
There is a shortage of the 10 x 13 interoffice envelopes which has caused Mail Services to be unable to fulfill requests for this size of envelopes. Offices with an abundance of these envelopes are asked to return them to Mail Services so that they may be made available to the University community. Your cooperation will be appreciated.

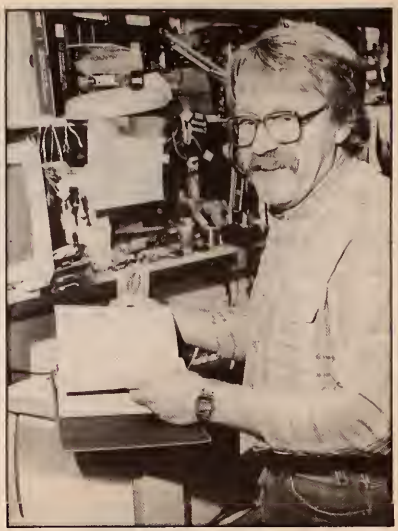
Postage increase
The probability exists that there will be another increase in the bulk, non-profit rates of postage in the month of October. The reason for this is due to Congress's reluctance to approve the amount of revenue that is necessary to cover the costs of bulk mail.

The amount of the increase is not known at this time, but, if a change does occur, flat sized pieces are going to be increased more than letter size.

For the most current information on this weekly changing issue, contact Frank Sinclair at 865- 4051.

Delaware telephone system
The telephone system at Penn State Delaware County Campus will be upgraded on Wednesday, Oct. 2. The current main number, 215-565-3300, and the network access, 361-XXXX, will be disconnected. New direct-inward-dial service will be installed to allow callers to reach departments and individuals directly.

After Oct. 2, the new telephone numbers for specific faculty and staff may be obtained by calling the general information number at 215- 892-1350.



Penn State People

Joe Eisenhauer

Joe Eisenhauer, electronics maintenance worker in the Office of Physical Plant, checks a service manual. Physical Plant's Computer Repair shop installs and services the IBM product line. "We go to various offices at University Park to pick up and repair equipment and we also maintain equipment from other campuses," he says. "The contact with people on campus makes the job interesting. It's also a challenging job and I enjoy that aspect." Joe, who lives in Marrisdale, joined the Physical Plant staff five-and-a-half years ago as an operator-technician in Central Control Systems. (Photo: Greg Grieco).

Cooperation is being sought for University's recycling

Penn State's recycling has slipped since the beginning of fall semester, causing problems for the Centre County Solid Waste Authority and for the University.

"We have received word from the Solid Waste Authority that the quality of the University's recycled material has deteriorated this fall," Phil Melnick, manager of support operations and special programs for the Office of Physical Plant, said. "In particular, a larger amount than normal of our recycled material is unacceptable and improperly prepared. Successful recycling requires everyone's cooperation."

The University recycles co-mingled paper and co-mingled containers:

– Papers that can be co-mingled or mixed together are newspaper, computer printout, and corrugated cardboard only. These are to be placed in the blue barrels located throughout all University buildings.

– Containers that can be co-mingled are green, clear and brown glass, aluminum cans, plastic milk and water jugs, plastic soda bottles and bimetal and steel cans. These are to be rinsed clean and lids and caps removed and then placed in the white recycling boxes.

These are the only materials that are acceptable in the recycling program.

"Nonrecyclable materials such as food packaging and waste, pizza boxes and colored office paper contaminate the recycled material and should be disposed of in appropriate trash receptacles," Mr. Melnick said. "They must not be put into recycling bins."

While the University community is asked to cooperate to make this particular system of recycling work, there may be changes as early as the first of next year.

During the summer, the Centre County Solid Waste Authority announced its intention to begin charging the University for recycling services. Because of this cost increase and because of the ways in which the recycling industry has changed, the Office of Physical Plant is soliciting proposals for recycling services that will begin Jan. 1.

"We don't know how our recycling program will change, but it is fairly safe to say that we will see some changes," Mr. Melnick said. "But regardless of what system of recycling we use, we absolutely need the support and cooperation from everyone – faculty, students and staff."

If you have questions, call the Penn State Recycling Hotline at 865- 8000.

Appointments

Linda Clark

Krishna S. Dhir

Robert W. Fedorchak

Dean Fenton

Chin Y. Kuo

Linda Clark has been named Division of Undergraduate Studies (DUS) programs coordinator in the Eberly College of Science.

In addition to having broad responsibilities for academic advising in the college, Ms. Clark will serve as a liaison between the Academic Advising and Information Center and each of the college's departments and programs. She also will monitor links between the college and the four DUS programs—enrollment; advising; Freshman Testing, Counseling, and Advising (FTCAP), and academic information.

A cum laude graduate of Clark University with a bachelor's degree in psychology and a minor in neuroscience, she recently earned two Penn State master's degrees, one in exercise and sport science with an emphasis in sport psychology, and the other in counselor education with an emphasis in student personnel.

Prior to her current position, she was a FTCAP advisor and an intern at the Academic Support Center for Student Athletes.

Krishna S. Dhir, has been appointed director of the Penn State Harrisburg School of Business Administration.

Dr. Dhir is a former head of the Department of Business Administration at the Citadel in South Carolina. He holds a doctorate of business administration from the University of Colorado.

In his new capacity, Dr. Dhir will administratively guide the efforts of the school and also will serve as professor of management.

He is active in a number of professional organizations, including the Decision Sciences Institute, the Academy of Management, the Indian Institution of Industrial Engineers, the Academy of International Business and the Information Resources Management Association.

Robert W. Fedorchak has been appointed coordinator of undergraduate academic support services and director of the newly expanded Science Advising and Enrichment Center in the Eberly College of Science.

Since 1988, Mr. Fedorchak has served as the college's first full-time Division of Undergraduate Studies programs coordinator. In his new position, he will oversee and coordinate undergraduate advising throughout the college, providing support and assistance to students and faculty advisers.

A Penn State alumnus, Mr. Fedorchak earned a bachelor of arts degree in general arts and sciences in 1972 and a bachelor of science degree in science in 1979. Before joining the Eberly College of Science, he was a counselor in the Office of Veterans Programs, a production control manager at Pennsylvania Malleable Iron in Landisville, and a personnel actions specialist for the U.S. Army at Fort Jackson, Columbia, S.C.

Dean Fenton, lecturer and coordinator of Commonwealth Campuses in the Department of Computer Science, has been named director of the Eberly College of Science Cooperative Education Program.

Previously, Dr. Fenton served as director of the college's computer science cooperative education program. That program has now been expanded to include all departments and majors within the college.

In addition to overseeing the overall coordination of the program, Dr. Fenton will counsel students on career choices and act as liaison between students and such companies as IBM, Mobil Corporation, and General Electric.

A graduate of Suffolk University with a bachelor's degree in psychology, Dr. Fenton earned his master's degree in science teaching with a concentration in biological sciences and his doctoral degree in educational administration with an emphasis in computer applications at Syracuse University.

He began his professional career as a junior and senior high school science teacher in Massachusetts. He later joined Manchester Community College as a professor of biology, oceanography, computer science, and data processing before being named head of the college's data processing department.

Dr. Fenton, who won a Fulbright Faculty Fellowship to Cuttington University College, Liberia, joined the University faculty in 1986.

Chin Y. Kuo, formerly professor of civil engineering and coordinator of the hydrosystems division at the Virginia Polytechnic Institute and State University, has been named professor and head of the Department of Civil Engineering.

Dr. Kuo is known for research in hydrology, hydraulics and water resources engineering including stormwater management and flood control as well as the design of levees, reservoirs and dams. He currently is working on the greenhouse effect as it relates to sea level rise and the effect on costal drainage and estuarine processes.

Active in the American Society of Civil Engineers, Dr. Kuo chairs the 1993 International Symposium on Engineering Hydrology. He also serves on several regional, national, and international committees on water resources.

Dr. Kuo received several teaching and outstanding civil engineering faculty awards at Virginia Tech as well as ASCE awards in recognition of outstanding service. Prior to his tenure at Virginia Tech, he served on the faculty at Old Dominion University, Norfolk, Va., and at the University of Puerto Rico, Mayaguez.

He holds a Ph.D. in hydrology, hydraulics and water resources engineering from Princeton University, and a master's and bachelor's degree in civil engineering from the University of Missouri and the National Taiwan University, respectively.

Academic building dedicated at Hazleton

More than 300 people from the Greater Hazleton area attended dedication ceremonies Sept. 15 for the new Evelyn Graham Academic Building at the Penn State Hazleton Campus.

After more than five years of planning and fund raising to raise the $1.5 million for the new building, work on the structure was begun in 1990. A major gift received from Evelyn and Seymour Graham -- the largest ever received at Penn State Hazleton – enabled the campus to begin work on the building that is now in use for the 1991-92 academic year.

The building contains three large classrooms, each seating approximately 80 students. It also houses an amphitheater that seats 120; this room is used for classes in the arts and humanities and contains the latest in visual aids and instructional equipment. The amphitheater is also home to the Campus Faculty Lecture Series, the program of lectures on a wide range of issues and topics open to the general public.

A major feature of the new building, in addition to its classrooms, amphitheater and faculty offices, is the lobby space that provides an area for students to meet between classes, or to study in an area convenient to classes held in the Kostos Classroom Building nearby.

At the dedication ceremonies, **James J. Staudenmeier,** Hazleton Campus executive officer, expressed his appreciation for the efforts of everyone involved in the campaign–donors and volunteers, faculty, staff, friends and alumni.

"This building is the anchor for the future development of the campus," he said. "We have always thought of ourselves as partners in this community – in education, in economic growth, and in the lives of the young men and women who come to the campus to begin their education.

"This new academic building, coupled with the outstanding programs and faculty that are the hallmark of Penn State University, sets the Penn State Hazleton Campus well on its way to the 21st century."

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m., **Thursday, October 3. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS 1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■**01775, Staff Psychologist/Minority Specialist, Student Services, Counseling Services and Program Assessment, University Park Campus** -- Provide counseling and mental health services to students of the University. Coordinate CAPS minority student programs and services; consult with University administrative areas about minority concerns. Requires doctorate in clinical or counseling psychology, or equivalent training; including a one year internship; or master's degree in counseling or clinical psychology, or equivalent training, plus three years of applicable experience. Prefer doctorate from APA-approved program with APA approved internship; licensed or license-eligible in the State of Pennsylvania. STAFF GRADE 8.

■**01809, Staff Assistant, Office of the President, Office of International Programs, University Park Campus** -- Responsible to the assistant director, Program Support Services, for planning and implementing a variety of promotional and publicity initiatives for the Office of Education Abroad Programs. Requires bachelor's degree, or equivalent, plus one to two years of effective experience. Excellent communication and organizational skills required. Experience abroad highly desirable. This is a fixed-term position funded through June 30, 1992, with a good possibility of re-funding. STAFF GRADE 5.

■**01810, Bookstore Manager, Bookstore, Mont Alto Campus** -- Responsible to the director, Penn State Bookstore System, for the purchasing, merchandising and financial aspects in the day-to-day operation of the Bookstore to include supervision of all staff. Consult with campus administration, faculty and staff to determine course requirements including books and special materials. Keep abreast of new trends in the bookstore industry. Requires bachelor's degree, or equivalent, plus twelve to eighteen months of effective experience in business or retailing. STAFF GRADE 5.

■**01811, Associate Director, Planned Giving, Development and University Relations, Office of Planned Giving, University Park Campus** -- Assist the director of planned giving in identifying and cultivating planned giving prospects and donors. Requires bachelor's degree, or equivalent, plus four to six years of effective experience in major gift fund raising (preferably in higher education) or financial planning, working knowledge of planned giving techniques and relevant tax laws; excellent written and verbal communication and interpersonal skills. This is a fixed-term position funded through June 30, 1992, with good possibility of re-funding. STAFF GRADE 8.

■**01812, Communications Analyst, Computer and Information Systems, Office of Telecommunications, University Park Campus** -- Assist in the development of reliable telecommunications systems. Responsible for analyzing current University communications systems, developing improvement designs to meet the needs of the University and working with University clients to insure proper services. Requires associate degree, or equivalent, in business, marketing or related field plus two to four years of effective experience, preferably in telecommunications. STAFF GRADE 6.

■**01813, Assistant Director of Undergraduate Admissions, Undergraduate Education, Undergraduate Admissions Office, University Park Campus** -- Responsible to the senior associate director of undergraduate admissions for managing and directing assigned staff in activities related to application evaluation and notification; general public relations; oral and written communications; and informing and advising applicants and prospective students. Requires bachelor's degree, or equivalent, and two to three years of effective experience in the administration of higher education. Previous admissions experience preferred. STAFF GRADE 7.

■**01814, Budget and Auditing Assistant, Computer and Information Systems, Office of Telecommunications, University Park Campus** -- Responsible to the administrative manager for conducting internal audits; assisting in budget formulation, tracking, and forecasting, and for preparing a variety of reports. Requires bachelor's degree in accounting or other related business field plus one to two years of effective experience. Knowledge of forecasting methods a plus. Emphasis on understanding of telecommunications industry and terminology. STAFF GRADE 5.

■**01815, Assistant Thesis Editor, Senior Vice President for Research and Dean of the Graduate School, Thesis Office, University Park Campus** -- Responsible to the thesis editor for providing editorial assistance to review, approve, and administratively process theses presented to the Graduate School. Requires bachelor's degree, or equivalent, in English or communication field plus over three months up to and including twelve months of effective experience in an editorial setting. STAFF GRADE 4

■**01818, Administrative Aide, Eberly College of Science, Statistics, University Park Campus** -- Responsible to department head for office activities and administrative functions: supervise staff, write and edit department publications; assist with budget and planning; coordinate department human resources, student, financial affairs and special events. Requires associate degree, or equivalent, plus two to four years effective administrative experience. Knowledge of word processing, spreadsheet and desk-top publishing software, University electronic systems and policies desirable. Excellent interpersonal, written and oral communication skills. STAFF GRADE 5.

■**01817, Media and Public Relations Specialist, Agriculture, Dean's Office, University Park Campus** -- Responsible to the dean and to the assistant to the dean for a variety of media, public relations and staff support activities. Provide overall media and public relations and staff support activities. Provide overall media and public relations coordination for the dean and the college. Provide comprehensive conceptual and creative leadership for the marketing and visibility of the college. Guide the development and implementations of various programs and collaborations to accomplish the goals and objectives of the college. Requires bachelor's degree in journalism, communications, or broadcasting plus two to three years of effective experience. Excellent verbal and written communications skills are essential. STAFF GRADE 7.

■**01818, Senior Research Aide, Agriculture, Horticulture, University Park Campus** -- Responsible for providing research, technical, and administrative support and assisting with the development of applied and fundamental research on horticultural and vegetable crops. Conduct a wide range of biochemical assays including enzymatic assays, pigment and metabolite analyses, protein purification steps, etc. Assist in the development of biochemical approaches for specific problems. Conduct photochemical and photophysical assays on intact plant materials. Requires bachelor's degree, or equivalent, in a biological science; plus one to two years of effective biochemistry or chemistry laboratory experience. STAFF GRADE 5.

■**01819, Team Physician, Intercollegiate Athletics, University Park Campus** -- Responsible to the director, Clinical Services, Center for Sports Medicine, for providing medical care to student-athletes from the 28 varsity teams of the Intercollegiate Athletic Program at the University Park Campus. Requires physician with a doctor of medicine or equivalent degree from an accredited school of osteopathy, license to practice medicine in the Commonwealth of Pennsylvania and four to five years of effective experience in sports medicine. STAFF GRADE 10.

■**01820, Senior Technical Specialist (Economic Development), Senior Vice President for Research and Dean of the Graduate School, Office of Sponsored Programs, Technology Transfer and Industrial Liaison, Penn State Erie** -- Responsible to the associate vice president for sponsored programs, technology transfer and industrial liaison, through the director of Industrial Programs, for serving as a resource person for clients interested in economic development. Responsible for visiting public and private sector organizations in Northwest Pennsylvania to assist in identifying and providing possible solutions to technical and economic development programs. Requires master's degree, or equivalent, in an engineering field or physical science, plus over seven years of effective experience in an industrial setting, preferably in plastics-related industry. This is a fixed-term position funded through June 30, 1992, with strong probability of re-funding. STAFF GRADE 9.

■**01821, Assistant to Bursar, Corporate Controller, University Park Campus** -- Responsible to the fee assessor for administering the Policy for Determination of Eligibility for Reclassification as a Pennsylvania Resident for tuition purposes; billing and accounting for students receiving aid from agencies outside the University, and updating accounts via the University's Information Systems. Requires bachelor's degree, or equivalent, with one to two years of effective experience in accounting or a related field. An understanding of Penn State's computer system as it relates to University's finances is highly desirable. STAFF GRADE 6.

Hershey

For the following position vacancies, apply directly to the Milton S Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **October 3.**

■**10003, Manager, Quality Services** -- Responsible to the assistant director, Inpatient Operations, for direction of the Quality Services Department, including the functions of Utilization Review, Risk Management, Infection Control and Quality Assurance. Work with the associate dean for clinical affairs and medical staff leadership to monitor and improve, where necessary, the quality of care. Requires a bachelor's degree or equivalency, plus 4-6 years of effective management experience. A master's degree in a health related area preferred. STAFF EXEMPT, 8

■**10011, Manager, Central Transport Services** -- Responsible to an assistant hospital director for the management and operation of the Central Transport Department necessary to provide service aid support for nursing units and transport services for all hospital departments. Requires a bachelor's degree in business administration or equivalency with 1-2 years of effective experience. STAFF EXEMPT, 6.

■**10016, Network Manager, Center for Information Technology** -- Responsible to the chief information officer, director of the Center for Information Technology, for the management and technical leadership for the HMC Network. Requires a bachelor's degree in computer science or equivalent, plus 4-7 years of effective experience, which should include experience in the design and theory of operation of large-scale coaxiber and twisted-pair based networks. Knowledge of TCP/IP-based network environments and the installation and configuration of microcomputer systems required. STAFF EXEMPT, 8.

Academic affairs director

Applications and nominations are invited for the position of director of academic affairs at Penn State the Great Valley.

The director is responsible to the campus executive officer for providing leadership for all academic matters including the campus faculty. The search is internal to the University.

Qualifications include an earned doctorate, or equivalent, and a minimum of five years experience involving a combination of full-time teaching, leadership of faculty, research and scholarly pursuit. Candidates should possess strong interpersonal and communication skills and the academic qualifications of a tenured, senior ranked faculty member at Penn State. Experience in academic planning, faculty recruitment and development, graduate program development, faculty governance, grantsmanship, and budgeting is desired.

Applications deadline is Oct. 18, or until an appointment is made. This is a 12-month, standing appointment. Send nominations and/or application (including resume), with the names of three references to Lawrence S. Cote, campus executive officer, Penn State Great Valley, 30 East Swedesford Road, Malvern, PA 19355.

Alumni Fellows will visit in College of Agriculture

Charles M. Rick, a world-renowned expert on the evolution and genetics of wild and cultivated tomatoes, will return to University Park Oct. 2-4 as a 1991 Alumni Fellow.

Dr. Rick, a 1937 graduate in horticulture, is a professor in the Department of Vegetable Crops at the University of California, Davis. He has helped plant breeders develop hundreds of improved commercial cultivars and has traveled to remote areas of the globe to assemble the most comprehensive collection of tomato germplasm in the world.

During his stay, he will meet with students and faculty in College of Agriculture. He will present a seminar, "Chasing Wild Tomatoes: Ups and Downs of Collecting Germplasm in the Andes," at 4 p.m. Wednesday, Oct. 2, in the Agricultural Sciences and Industries Building auditorium.

Dr. Rick earned his master's and doctorate from Harvard University. In 1940, he joined the vegetable crops faculty at University of California at Davis and has been there ever since.

Dr. Rick is considered the first and foremost plant biotechnologist ever to graduate from Penn State. He has been honored by the American Society of Horticultural Science, the Botanical Society of America and the National Council of Commercial Plant Breeders, among other organizations. He is one of few agricultural scientists elected to the National Academy of Sciences.

The title of Alumni Fellow is a lifelong designation conferred by the Board of Trustees.

Charles M. Rick

Karl Girton, president of Girton Sales, a supplier of food processing systems in Millville, Pa., will visit University Park Oct. 2-4 as an Alumni Fellow.

Alumni fellows are nominated by their colleges and selected for outstanding contributions to their professions. They spend several days on campus sharing their knowledge and experience with students, faculty and administrators.

Mr. Girton completed his M.S. in dairy science manufacturing at Penn State in 1964. His company supplies sophisticated food processing equipment and systems that help ensure healthy and safe food products. One of their customers is the Penn State University Creamery, which is used to train state and federal regulatory workers and students majoring in food science.

During his visit, Mr. Girton will lead a roundtable discussion with members of the Food Science Department on "Factors Influencing the Food Industry."

Mr. Girton was the first president and currently is a member of the executive committee of Pennsylvania's Food Industry Council. The council provides information about the industry and addresses issues such as waste and water management and labor shortages.

As a member of the Governor's Economic Development Partnership Board, Mr. Girton works with others to help develop policies and assist the Department of Commerce in fostering economic development and employment opportunities in Pennsylvania.

Karl Girton

Director of policy analysis program sought

Applications and nominations are being sought for the position of director of the Graduate Program in Policy Analysis in the Graduate School of Public Policy and Administration. The director will play a lead role in developing and managing a nationally recognized two-year masters degree program in policy analysis.

The following criteria will be used to evaluate candidates: An earned doctorate or other advanced degree and experience appropriate for a tenured full professorship in one of the following social science disciplines--Economics, Political Science, Public Administration, Psychology, or Sociology; significant scholarly and research accomplishments in some aspect of public policy; experience with and/or strong commitment to multidisciplinary instructional programs; willingness to continue to strengthen the graduate program, and a commitment to student placement in internships and permanent positions.

Applications received by Oct. 14 will be assured of consideration. However, applications will be considered until position is filled. Send nominations and letters of application, accompanied by a curriculum vitae, to: James Eisenstein, Chair, Search Committee, Graduate School of Public Policy and Administration, Penn State, Box PI1, N254 Burrowes Building, University Park, PA 16802.

Obituaries

Teresa M. Martin, vending food service worker, Housing and Food Services, from Sept. 21, 1969, until her retirement Jan. 1, 1986, on disability, died July 29 at the age of 61

Veren M. Peters, group leader, driver/service attendant, Office of Business Services, from Dec. 1, 1952, until Jan. 1, 1983, died Aug. 14 at the age of 70.

Five newly elected fellows honored by Institute

The Institute for the Arts and Humanistic Studies has recently honored five newly elected fellows: John Balaban, Marylene Dosse, Wendell Harris, Carl Hausman and Ernst Schurer.

"Penn State is fortunate to count these exceptionally talented individuals among the faculty and we are pleased to recognize their important contributions through membership in the Institute," President Thomas said.

John Balaban, professor of English, is the author of nine books of poetry, fiction, nonfiction and translations of poetry, much of which is focused on the Vietnam War. His three books of poetry have earned the Lamont Prize of the Academy of American Poets, a nomination for the National Book Award and a National Poetry Series Selection.

His achievements also have been recognized by the National Endowment for the Arts, the National Endowment for the Humanities, P.E.N, Columbia University, the Woodrow Wilson Fellowship, and institutions in Romania and Bulgaria.

Marylene Dosse, professor of music and an internationally recognized pianist, has won first prizes at the Conservatoire de Musique in Paris, the Salzburg International Competition, and the Vilas Competition at Madison.

She has performed throughout Europe and the United States and also in Latin America. She has made more than a dozen recordings, one of which was named "Critics Choice" by High Fidelity. Noted for her skill as a soloist and ensemble member, she has been cited as one of "the very best musicians/educations."

Wendell Harris, professor of English, is known for his work in Victorian literature and is the author of more than 40 articles and five books, the two most recent being *Interpretive Acts* and *A Conceptual Dictionary of Literary Criticism*.

A member of the Royal Society of Arts, Dr. Harris has received fellowships and grants from the Guggenheim Foundation, the National Endowment for the Humanities and the American Philosophical Society. He has served as head of the English department at Penn State and as associate provost at Northern Illinois University.

Carl Hausman, professor of philosophy, is known for his work in creativity, metaphor and semeiotics, specializing in the work of Charles Peirce, the American philosopher of science.

His new book on Peirce is soon to be published by Cambridge University Press. He was recently elected to the Charles Peirce Society and is now serving as its president.

Ernst Schurer, professor of German, is known for his work on expressionist literature and art and especially on the writings of Georg Kaiser, about whom he has written four books.

He also has written on Frisch, Broch, Buchner, Dorst, Sorge, F. Jung, Sternheim B. Traven and literature-in-exile. He has received an Alexander von Humboldt Fellowship and awards from the Goethe Institute and the American Council of Learned Societies, and recently served as head of the Department of German.

University Park volunteers kick off United Way campaign

More than 100 campus volunteers assembled Thursday, Sept. 19, at University Park to kick off the United Way campaign for 1991. All campus employees are to be contacted by the end of October.

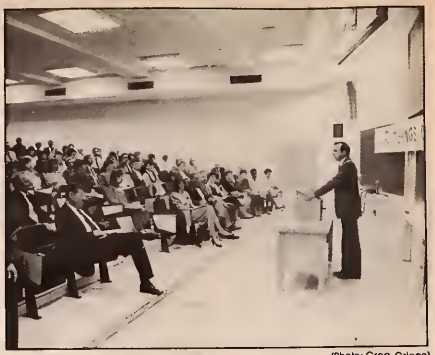
The session, chaired by James M. Wagner, vice president for business and operations, featured comments by President Thomas who spoke about his personal commitment to United Way and the institutional support of United Way at all Penn State campuses.

A video program highlighting Centre County United Way agencies, written and directed by Brian L. Winston, dean of the School of Communications and member of the board of the Centre County United Way, illustrated the work of the human service agencies.

Personal testimonials as to the help provided by United Way agencies during the illness and ultimately death of their teenage daughter who suffered from cancer, were made by Robert Snetsinger, professor of entomology in the College of Agriculture, and his wife, Wendy.

Mr. Wagner has appointed an advisory group to provide ideas and recommendations for conducting the University Park campaign. Members are: James A. Winck, George J. McMurtry, Lyn Culver, Daniel P. Saftig, Ginny J. Newman, William W. Asbury, Roger L. Williams, David P. Gold, Theodore Kiffer, and student members E.J. Shaffer, Mark Stewart, and Tom D'Alfonso.

James H. Ryan, vice president for continuing education, has been named vice chair of the University Park campaign and will chair the United Way effort in 1992. He also is a member of the advisory group.



President Thomas speaks to United Way volunteers. (Photo: Greg Grieco).

DER secretary to speak at meeting of geographers

Arthur A. Davis, secretary of the Pennsylvania Department of Environmental Resources, will discuss "The Environment: Challenges and Realities" at the annual conference of the Association of American Geographers, Middles States Division, at 9 p.m. Saturday, Oct. 5, in the Nittany Lion Inn at University Park.

The Middle State Geographers conference will have as a special focus "200 Years of the United States Census." Theme sessions will be held on "Historical Geography and the Census" and "The 1990 Census and the American City."

Workshops on "Census Data Adventures for Social Studies" and "The Census and TIGER" will be given by members of the U.S. Census Bureau. Field trips on Central Pennsylvania landscapes and historical geography will be led by Deryck Holdsworth, associate professor of geography at Penn State, and Ben March, Bucknell University.

Arthur A. Davis

Before being named to head DER in 1987, Mr. Davis held the Maurice K. Goddard Chair of Forestry and Environmental Resources at Penn State and taught and carried out research in areas of environmental policy.

In the 1970s, he was well- known for his work as director of the Western Pennsylvania Conservancy, and earlier, in Washington, D.C., he was associated with a number of pioneering federal projects dealing with open space, conservation, and outdoor recreation.

As head of DER, Mr. Davis, who is a member of Penn State's Board of Trustees, has a vast range of responsibilities related to air and water pollution control, waste management, the management of parks and forests, mining and abandoned mine reclamation, and environmental education.

The conference is hosted by the Department of Geography and has been organized by Peirce Lewis and Tina Jacquette of the department. Details may be obtained from the department, 865-3433.

Challenged books

Books challenged or banned during the past year will be displayed at the Penn State Bookstore on Campus during National Banned Books Week 1991-Celebrating the Freedom to Read, Sept. 28 to Oct. 5.

Most of the books are well known but are considered dangerous or objectionable by individuals or groups who would deny others access to them.

The Penn State Bookstore is participating in Banned Books Week 1991-Celebrating the Freedom to Read, which is sponsored by the American Library Association, the American Booksellers Association, the Association of American Publishers, the American Society of Journalists and Authors, and the National Association of College Stores. It is endorsed by The Center for the Book of The Library of Congress.

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Broad-based campaign for convocation center begins

With more than $7 million in private gifts and pledges in hand, the University revved up its campaign to raise $20 million for the Academic/Athletic Convocation and Events Center on Friday, Sept. 27, at the future site of the facility.

"We're ready to launch a broad-based campaign to reach out to thousands of proud Penn Staters and ask for their support," Ed Hintz, campaign chairman and a 1959 Penn State alumnus, told a gathering that included local campaign volunteers and benefactors, the Blue Band, varsity cheerleaders and the Nittany Lion mascot.

According to G. David Gearhart, senior vice president for development and University relations, 20,000 copies of a short video have been mailed to members of the Nittany Lion Club, former Penn State athletes, season football ticket holders and the reunion class of 1967.

"The video, hosted by former Nittany Lion broadcaster Fran Fisher, shows that this center is Penn State's very own 'Field of Dreams,'" Dr. Gearhart said. Student callers will be contacting video recipients to ask for financial commitments, he added.

"The use of this high-quality video is a unique approach," he said, "and it's being well received. In fact, we've already gotten some substantial pledges from recipients. The video also is extremely cost-effective, costing less to produce than a typical four-color brochure of similar quantities."

The 16,500-seat center, to be built near the corner of University Drive and Curtin Road near Beaver Stadium, will cost approximately $55 million. The state legislature has already authorized $33.8 million for the project. It will be the largest such facility between Philadelphia and Pittsburgh, and will have a substantial economic impact locally and throughout central Pennsylvania.

Approximately $78 million will be pumped into the region's economy during the construction phase alone. Once in full operation, the center should host more than 200 events annually, attract about 1.25 million spectators, result in 500 permanent jobs and boost the local economy by some $24 million annually.

The center will fill a pressing need at Penn State for a large multipurpose facility that can be used for a variety of events -- including commencements, academic convocations, conferences, exhibitions, concerts, entertainment and intercollegiate sports.

Completion of the building is expected in time for the winter 1994-95 sports season.

Ed Hintz, center, chairman of the campaign to raise $20 million for the Academic/Athletic Convocation and Events Center, speaks to reporters at the future site of the facility. (Photo: Greg Grieco).

University Park Campus ranked in first quartile

For the second year in a row, Penn State's University Park campus ranks in the first quartile of national universities in *U.S. News and World Report's* annual ranking of "America's Best Colleges."

"Penn State has a strong commitment to both graduate and undergraduate education, and we are pleased that our programs are recognized nationally," John A. Brighton, executive vice president and provost, said.

The 1991 annual guide, dated Sept. 30, ranks Penn State in the top quartile of 204 national universities that offer a wide range of baccalaureate programs, give a high priority to research and award a large number of doctoral degrees.

Based on surveys of 2,425 responding college presidents, deans and admissions directors, schools were rated within their category according to academic reputation, selectivity of the student body, the degree to which the school financially supports faculty, the school's overall financial resources and the level of student satisfaction as measured by graduation rates of freshmen.

The top half of the first quartile lists the top 25 national universities in rank order with Harvard University at the top. Pennsylvania universities in the top 25 include the University of Pennsylvania as 13th and Carnegie Mellon University, 24th.

Five public universities ranked in the top 25 are: the University of California at Berkeley as 16th; University of Virginia, 21st; University of Michigan, 22nd; the University of California at Los Angeles, 23rd, and the University of North Carolina at Chapel Hill, 25th.

Penn State was ranked in alphabetical order with 26 other national universities in the "Best of the Rest" of the first quartile, including three other Big 10 universities: the University of Illinois at Urbana, the University of Minnesota at Twin Cities and the University of Wisconsin at Madison.

Other universities in the first quartile include Lehigh University, New York University, Rutgers State University at New Brunswick, SUNY at Buffalo, Tufts University, the University of California at three locations, the University of Florida, the University of Notre Dame and the University of Texas at Austin.

Two of Penn State's sister state-related universities -- the University of Pittsburgh and Temple University -- were ranked in the second quartile.

Fellowships office has been established

An Undergraduate Fellowships Office has been established at the University.

C. Gregory Knight, vice provost and dean for undergraduate education, said the office, located in 310 Willard Building at University Park, will promote activities related to the identification, recruitment, nurturing, and formal application by Penn State undergraduate students to nationally-recognized, award-granting programs.

"Establishment of this new office," he said, "is part of President Thomas's initiative to promote the visibility of these awards and to encourage students to apply for them. We also want to encourage the many outstanding Penn State undergraduates to set their

See 'Fellowships' on Page 3.

Focus on Diversity

Program to focus on hiring minority administrators

Cable television's top executives will visit University Park Oct. 6-9 to participate in an orientation program focusing on hiring minority managers and administrators in the cable industry.

The School of Communications and The Walter Kaitz Foundation have collaborated to host the Kaitz Foundation's 1991 Management Orientation Program, which was developed for the Kaitz Foundation's upcoming 1991 fellowship program, and will incorporate lectures by University faculty members and cable television industry executives.

Executives scheduled to participate include: David Van Valkenburg, MultiVision Cable president and Kaitz Foundation chair; J. Scott Bachman, CableLabs director of technical operations and projects; Thayer E. Bigelow, Home Box Office president; Paul Fries, TKR Cable Company president; Pat Loetker, The Disney Channel senior vice president; John Rigas, Adelphia Communications chief executive officer; Arthur Saxon, Cable Lenfest Group president and Curtis Symonds, Black Entertainment Television vice president, among others.

"We are very pleased to take part in such an important and beneficial effort for the cable industry," says Richard D. Taylor, Palmer professor of telecommunications studies and former cable television executive who helped organize the event.

Based in Oakland, Calif., the Walter Kaitz Foundation was established in 1981 and is funded by the cable industry. Its Fellowship and Direct Hire Programs help place exceptionally qualified ethnic minority men and women in managerial and professional positions in the cable industry.

Under the fellowship program, which is nine to 12 weeks long, the fellow works as a regular salaried employee for a sponsor company. The foundation also sponsors seminars to instruct the fellows in the various aspects of cable television operations, including financial management and analysis; government and community relations; marketing; and management development.

In most cases, the sponsor company commits to employ the fellows at the conclusion of the fellowship.

Under the Direct Hire program, the Walter Kaitz Foundation recruits and screen ethnic minority applicants for immediate job openings.

"Penn State's School of Communications is one of the largest in the nation," says Chris Patterson, director of minority student services. "And we often work with various industry organizations to sponsor minority opportunities in the media."

Diversity Opportunities Calendar

Tuesday, Oct. 8
Men of Color, noon to 1 p.m., HUB Founders Room. General meeting. For more information, contact Aaron Singleton at 865- 7517.

NAACP, 7 p.m., Paul Robeson Cultural Center. General meeting.

Wednesday, Oct. 9
Center for Women Students, noon to 1 p.m., 120 Boucke Building. Presentation titled, "Ida Wells Barnett and Mary Church Terrell on Civil Rights and Women's Rights," by Sheila Martin, director, Penn State National Media Center in Cultural Diversity.

Penn State New Kensington Campus, noon to 1 p.m., Campus Art Gallery. Presentation titled, "The Hispanic Connection," by Luis Gonzalez- Cruz.

Groove Phi Groove, 6:30 p.m., Paul Robeson Cultural Center. Film titled, "The Autobiography of Miss Jane Pittman."

Forum on Black Affairs, 7:30 p.m., Shields Building Orientation, Assembly Room (2nd floor). General meeting.

Variety of diversity activities being offered

Women's conference

Registration forms for the 1991 Schuylkill County Women's Conference are now available, according to Denise Foran, director of university relations at the Penn State Schuylkill Campus, and steering committee member.

The sixth annual conference, scheduled for Saturday, Oct. 19, at the Schuylkill Campus, will feature more than 50 workshop topics, a theatrical presentation, and the awarding of the Schuylkill County Women's Conference Award.

Other highlights will include the keynote address by Amanda Mackay Smith of Durham, N.C., speaking on "Building Trust Between Women and Men." Ms. Smith, a renown gender equity specialist, also will present three additional workshops throughout the day.

To receive a registration brochure, or for additional information, contact the Office of University Relations at Penn State Schuylkill Campus.

Minority career day

The eighth annual Minority Career Awareness Day will be held from 10 a.m. to 4 p.m. on Tuesday, Oct. 8, in the HUB Ballroom and Fishbowl at University Park.

Minority Career Awareness Day is a multi- cultural event sponsored by the University's Career Development and Placement Center that last year attracted more than 500 students and 80 corporation, government agencies and non-profit organizations.

It is designed to help African-Americans, Hispanics, Asian-Americans, Native American Indians and Disabled Students meet potential employers.

Underrepresented and Disabled Students from freshman to senior year in all majors are invited to meet professionals in their anticipated field and obtain career information from more than 80 employer representatives Those actively seeking employment should bring their resumes.

'The Color of Your Skin'

Audio-Visual Services recently acquired a new video from the PBS Foundation series entitled "The Color of Your Skin," (61342,VH) which provides a powerful, intimate journey into America's great racial divide.

For 16 weeks, behind a two-way mirror in a small room during the U.S. military's intensive race-relations course, a dozen individuals of different races confront each other with their feelings. This tape is useful for diversity courses and programs because participants can see/become aware of their own feelings in a nonthreatening manner.

The videotape is available at no charge to University faculty and staff for classroom use. At University Park, call 865-0913 to make arrangements for a preview showing. At a Commonwealth Campus, contact the campus instructional services specialist for more information.

WPSX-TV program

To accompany the PBS broadcast of the landmark series, "Columbus and the Age of Discovery," commemorating the 500th anniversary of the explorer's voyage to the Americas and airing at 8 p.m. Sunday, Oct. 6, through Wednesday, Oct. 9, WPSX-TV will give viewers the opportunity to expand their understanding of that legacy.

The contributions of Native Americans, Irish, Welsh, Koreans, Jews, Poles and Italians to the state of Pennsylvania will be recognized in a series of Columbus Legacy Project video vignettes produced by Channel 3 and the Pennsylvania Historical and Museum Commission.

Bookshelf

Thomas J. Griffiths, director of aquatics, is the author of *Sport Scuba Diving in Depth* second edition. The book, the only college-level scuba text in the country, is published by Princeton Book Company.

Dr. Griffiths, affiliate associate professor of exercise and sport science, covers the technical, psychological and practical aspects of diving in his book. The three areas of focus are the basics of diving – equipment and environment, enjoyment through safety, and preparation and concerns in advanced diving.

New material covered in the second edition includes accident management, repetitive diving, and air sharing as well as dive computers – devices that monitor such variables as depth and time to help prevent decompression sickness – and scuba math – the role of pressure, buoyancy, and other physics calculations in diving.

Gerald M. Moser, professor emeritus of Romance languages, University Park, is the author of the only up-to-date *Bibliography of Brazilian Literature in English Translation*, privately published and available only at the office of the Department of Spanish, Italian and Portuguese, Room N351 Burrowes Building, University Park.

The *Bibliography* lists and comments upon the great number of translations of works by Brazilian authors: 54 general works, 15 on folklore, 32 in the realm of biography, the essay, and oratory, 136 containing short stories and novellas, 114 translations of novels, 23 editions of plays, 110 works of poetry, and 12 books for children.

Among the most often translated authors are Machado de Assis, Jorge Amado, Clarice Lispector, Guimaraes Rosa, Graciliano Ramos, Moacyr Scliar, Lygia Fagundes Telles, and the poets Drummond de Andrade and Cabral de Melo Neto.

United Way will hold an agency fair in Beaver Stadium

Beaver Stadium will open its gates to the entire Centre Region community from 1 to 4 p.m. Sunday, Oct. 13, for a special tour that will feature exhibits by Centre County's 32 United Way agencies.

"United Way fundraising is as traditional as football and tailgating in Happy Valley in the fall," says James M. Wagner, vice president for business and operations and chairman of the University Park United Way campaign.

"The 10,000 seat addition to the stadium this year has created a lot of interest, and holding an open house that features United Way agencies seems like the ideal activity for a fall afternoon.

"This is an opportunity for everyone to get to know more about United Way agencies before making a decision about whether to give and how much. And it's a chance to get to know the people who run the agencies and your neighbors who serve as volunteers and board members. Oct. 12 and 13 also is parent/family weekend on campus and provides a special opportunity for this group of visitors.

Tour hosts will be the Lion Ambassadors, a student organization sponsored by the Penn State Alumni Office and Office of Development and University Relations.

United Way
It brings out the best in all of us.®

Featured on the tour will be the home team locker room, media room, press box and the new addition. At 2:30 p.m. Penn State cheerleaders and a segment of the Blue Band will entertain guests on the middle concourse of the North addition of the stadium.

Persons attending can park in the paved lot directly across from the south end of the stadium. The tour begins at Gate 1 directly beneath the scoreboard. Lion Ambassador tour guides and University safety officers will be stationed along the route to assist with directions and to answer questions.

Food service will be available on the concourse. Restrooms in the area of the tour will be open. The tour is a walking tour but provisions have been made to provide a limited number of golf carts that can accommodate one handicapped person with a University driver to tour the stadium. This service will be offered on a first-come, first-served basis.

As the largest employer in Centre County, Penn State employees annually contribute about one fourth of the total dollars raised. United Way is the only charitable fund raising campaign for which payroll deduction is approved. The University's campaign officially kicked off Sept. 19 with the focus of the employee educational program geared towards the end of October.

Richard Fasenmyer returns as Behrend College Alumni Fellow

Richard J. Fasenmyer, president and chief executive officer of RJF International Corp., Fairlawn, Ohio, and Fabricated Extrusions Corp., Modesto, Calif., visited Penn State Erie, The Behrend College on Sept. 30 and Oct. 1 as an Alumni Fellow.

Mr. Fasenmyer attended Penn State Behrend for two years before completing his bachelor's degree in business administration at University Park. He also is a certified public accountant.

His company, RJF International Corporation, is a multi-divisional manufacturer and marketer of polymer-based products, which include commercial wallcoverings, tank linings, magnetic products, industrial film, roofing, extrusions and other specialty rubber and plastic products.

Mr. Fasenmyer is a member of the Financial Executive Institute, the Ohio Institute of CPAs, and the Producers' Advisory Forum, which is a roundtable of executives who meet with top government officials in Washington, D.C. He also oversees the Richard J. Fasenmyer Foundation.

The Alumni Fellows Award is the most prestigious award given by the Penn State Alumni Association and is a permanent, lifelong designation.

Richard J. Fasenmyer

Fellowships

(Continued from Page 1)

aspirations toward a high level of contribution and accomplishment."

Dr. Knight said **Eric R. White**, director of the Division of Undergraduate Studies, will serve as acting coordinator of the office.

According to Dr. White, the office initially will establish a central file of significant grants and fellowships and communicate their availability to undergraduate students and faculty members.

"At the same time," he said, "we plan to put into place a system that would mentor students and assist them in applying for these grants and fellowships."

25-year award recipients

Observing 25 years of service at the University are, from left, Richard D. Corrigan, groundskeeper, landscape A, Office of Physical Plant; Robert Monahan, assistant professor of accounting, Penn State Erie, The Behrend College; Crissie Musser, clerk processing B, University Libraries; Roger Owens, group leader landscape, Penn State Erie, The Behrend College; John Pazur, professor of biochemistry.

New policy on managing records is in effect

(First in a series)

Do I keep it or throw it out?

University offices now have some guidance in dealing with records that are to be discarded.

President Thomas has approved a new University policy on archives and records management services--that for the first time--provides a set of policies and procedures to assist offices in determining what to do with various forms of University records when they are no longer actively used.

While the policy--designated AD-35 in the University Policy Manual--is new, the University Archives/Penn State Room in Pattee Library has been conducting a records management program for the past three years.

"The new policy effectively moves this program from 'pilot' to permanent," **Lee Stout**, University archivist, said.

The 'pilot' program began in 1988 using grant funds provided by the Pennsylvania Historical and Museum Commission and the National Historical Publications and Records Commission of the National Archives.

Thus far, University Archives has surveyed more than 165 University offices and begun the process of creating records schedules.

"The program and the new policy focus on the disposition of records that are no longer actively used in the offices that created or received them," Mr. Stout said.

"Disposition in most cases means discarding or destroying records, but if the records are judged to be archival, then they are transferred to the Archives."

Jackie Esposito, assistant University archivist, who manages the program, said the records in each office are quickly surveyed and the information collected is used to develop "records schedules"--lists of the different types of records in an office with designations for the minimum length of time they need to be kept and how they are to be disposed of.

"The schedules are created with the cooperation of the office staff," Ms. Esposito said. "The recommended retention periods are a consensus judgment based on both legal requirements and the office's needs.

"Our aim is to have records schedules specifically designed for each office, but we also are creating general schedules for particular categories of records common to many offices such as student, personnel, and financial records. These will be distributed University-wide for use in each office until we can complete the individual surveys.

"Our basic goal is to make this as painless as possible for all of the offices."

According to Mr. Stout, the program has been extremely popular so far.

"We have discovered," he said, "that offices are anxious to have guidance for the proper disposal of records which are no longer needed for current business."

"However, the program also is important to the University from a legal standpoint. We must be able to show, in court if necessary, that, when University records are destroyed, it is done under a formal program of regular, planned disposal."

Alan J. Grill, assistant to the dean in the College of Education, said the records management program has provided "some excellent guidelines against which to measure the records we keep."

"This is a very comprehensive program that is definitely needed," he added. "And, for the College of Education, it comes at crucial time since we are undergoing a major renovation that includes building a central file room."

Noting that all offices at all locations gradually will be brought into the records management program, Mr. Stout said the new policy covers all formats of University records.

"These include not only traditional paper documents such as correspondence and reports, but also maps and plans, photographs, motion picture films, sound and videorecordings, and computerized data.

"The policy also establishes several categories of records which are determined by how sensitive the information is. These are dealt with differently in terms of their destruction and how archival records in these categories may eventually be used by researchers."-- **Bill Campbell**

(Next: The University Archives)

Ron Hoover, right, of the Centre County Solid Waste Authority, disposes of unneeded University records under the watchful eye of Lee Stout, University Archivist. (Photo: Greg Grieco).

Electronic software is protected by copyright laws

Campus microcomputing labs have been one of the fastest growing components of academic computing nationwide and have grown at Penn State from none in 1984 to 32 systemwide today.

With the aid of reduced-cost software licenses, the Center for Academic Computing has been able to provide high quality software for use in these labs. These include word processing, databases, graphics, spreadsheets, statistical packages, file conversion programs, utilities and, at some labs, additional specialized programs.

"In order to keep our reduced-cost licenses, the University must give vendors assurances that software copyrights are protected," Russell S. Vaught, director of the Center for Academic Computing, says. "The University supports the EDUCOM code of conduct and asks all users to abide by it."

The central message of the code reads:

"Respect for intellectual labor and creativity is vital to academic discourse and enterprise. This principle applies to works of all authors and publishers in all media. It encompasses respect for the right to acknowledgement, right to privacy, and right to determine the form, manner, and terms of publication and distribution.

"Because electronic information is volatile and easily reproduced, respect for reproduced, respect for the work and personal expression of others is especially critical in computer environments. Violations of authorial integrity, including plagiarism, invasion of privacy, unauthorized access, and trade secret and copyright violations, may be grounds for sanction against members of the academic community."

In 1990, Congress passed the Copyright Remedy Clarification Act, which permits the filing of copyright infringement suits against state entities and employees acting in their official capacities.

"Infringements of copyright laws can and are being prosecuted," Gary Augustson, executive director of Computer and Information Systems, says.

"In order for Penn State to continue to provide affordable, high-quality software to multiple users in computer laboratories, all members of the University community must abide by the copyright laws for electronic information and software."

At University Park, the Center for Academic Computing supports 11 general labs open to all faculty, students and staff, two Macintosh teaching labs and a software evaluation lab. For a brochure describing lab locations, facilities and software, call 865-4757 or pick up a copy in 214 Computer Building. For copies of the EDUCOM code of conduct, call 865-2100 or pick up a copy in 12 Willard Building.

News in Brief

Australian seminars
Robert Connell of Macquarie University in Sydney, Australia, will discuss "The Social Context of Sexuality and Masculinity: Australian Research and Applications" at 3:30 p.m. today in 411 Oswald Tower at University Park.

Professor Connell, who is on leave from Macquarie and is serving as the Australian chair holder at Harvard University, will deliver a second seminar, "Gender, Politics and the State in Comparative Perspective: An Australian Appreciation," at 3:45 p.m. Friday, Sept. 27, in 124 Sparks.

The seminars are sponsored by the Australian-New Zealand Studies Center and the departments of Sociology and Political Science.

Fitness Loft
The Fitness Loft at the McCoy Natatorium at University Park has just obtained six new pieces of exercise equipment.

The Fitness Loft, which overlooks the swimming pools, now has ten StairMasters; seven stationary bikes, four rowers, three treadmills, a Nautilus lower back machine, a Gravitron upper body machine, and a NordicTrac ski machine.

The loft is open from 6:30 a.m. to 9:50 p.m. Monday through Friday, with noon until 1 p.m. reserved for faculty/staff/public only. Weekend hours are 1030 a.m. to 9:50 p.m. For more information, call 865-1432.

PSEOP luncheon
The Penn State Chapter of Educational Office Personnel will hold its second annual kick-off luncheon and Commonwealth Campus Day from noon to 2 p.m. Tuesday, Oct. 8, in 110 Henderson Building at University Park.

PSEOP is a professional organization dedicated to increasing the level of the University's office personnel through continuing development. Information on membership is available from Jenny King, 22 Boucke Building, telephone (814) 865-7681.

Gerontology Center conference
The Penn State Gerontology Center in the College of Health and Human Development will present a conference on "Social Structure and Aging: Historical Perspectives," Oct. 14-15 at University Park.

The conference will examine how the relationship between the aging process and social institutions, such as school systems, retirement policies and health care systems, has changed through the years.

The conference is the sixth in a series sponsored by the Gerontology Center. Co-chairs of the conference are K. Warner Schaie, Evan Pugh Professor of human development and psychology and director of the Gerontology Center, and W. Andrew Achenbaum of the University of Michigan.

Bradys to speak
Former White House Press Secretary James Brady, who was shot in an assassination attempt on President Reagan, and his wife, Sarah, will speak at 8 p.m. Saturday, Oct. 8, at Penn State Erie, The Behrend College.

The Bradys will share "Thumbs Up," their inspirational story of utilizing love and determination to overcome almost insurmountable odds in Penn State-Behrend's Erie Hall.

Colloquium scheduled
Kristin Moore, director of Child Trends Inc., Washington, D.C., will speak on "Teenage Childbearing: Research and Public Policy" at 4 p.m. Tuesday, Oct. 15, in 101 Agricultural Sciences and Industries Building at University Park. Child Trends Inc. is a non-profit organization involved in research and public education to improve children's lives.

This is the first in a series of four colloquia focusing on "Against the Odds: Promoting Resiliency in At-Risk Youth" sponsored by Policy, Research, and Intervention for Development in Early Adolescence, or PRIDE, a University-wide project, funded by the Carnegie Corporation of New York, to address issues facing youths ages 10 to 15.

Professional sports
James R. Hudson, professor of social science and sociology at Penn State Harrisburg, will discuss "The Changing Symbolism of Professional Sports" at noon Wednesday, Oct. 16 at the Penn State Downtown Center in Harrisburg.

The presentation, sponsored by the center, is one of a series of lectures on public policy issues.

WISE Forum
WISE Forum, Women In the Sciences and Engineering, will meet for a brown bag lunch and panel discussion at 12:15 p.m. Wednesday, Oct. 16, in the Frizzell Room of Eisenhower Chapel at University Park.

The topic will be "Studying and working with male peers and colleagues," and panelists will be female students, faculty and staff.

Faculty/Staff Alerts

Courses for faculty and staff
The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

Penn State Clerical Enrichment (Policies and Procedures)
Familiarizes new clerical employees with University policies and organizational procedures. Introduces employees to methods for career advancement opportunities; meets on Mondays and Wednesdays, Oct. 7, 9 and 14 from 9-11:45 a.m.; cost: none.

Leadership Through Teamwork
Develop communication skills, an awareness of self and others, self confidence and self esteem. Two programs, Oct. 9 and Oct. 16 from 8:30 a.m.-4 p.m.; cost: $65; (location: Shaver's Creek Environmental Center, located in the Stone Valley Recreation Area).

Executive Time Management
Builds on sound general time management practices of identifying and eliminating time wasters and setting goals and priorities; meets from 9 a.m.-4 p.m.; cost: $100.

Intergroup Relations I Goal is the development of a personal commitment to understand and reevaluate individual interpersonal relation skills in dealing with culturally diverse individuals. Meets on Friday, Oct. 11, from 9 a.m. to 4 p.m.; cost: none.

The New Supervisor Course topics include: management of work, management of others, management of self. Meets on Tuesdays and Fridays beginning Oct. 15 to Oct. 29 from 1:30 to 4:30 p.m.; cost: $95; (meets for 5 sessions).

Confidence Building: The Importance of Self Esteem Self esteem affects the way you live. During this workshop we'll explore ways to enhance self esteem. Meets on Wednesday, Oct. 16, from 9 a.m. to 4 p.m.; cost: $55.

Affirmative Action Why does Penn State have an Affirmative Action Office? What can it do for you? Where does it fit into all the attention being placed on diversity? Learn the answers to those questions, as well as what to do if you believe you may be a victim of discrimination or if you witness discrimination in the workplace. Meets on Thursday, Oct. 17, from 9 a.m. to noon; cost: none.

Coping Strategies For Working In A Predominantly White Environment Focuses on the sharing of experiences, strategies, skills, and coping mechanism used by ethnic minority staff. Participants may register for one, more than one, or all of the sessions. First class meets on Thursday, Oct. 17, from 3:30 to 5 p.m.; cost: none.

Why Do We Resist Change? View the videotape *Discovering the Future: the Business of Paradigms* and discuss how identifying your paradigms can help you and your organization be more creative problem solvers and decision-makers. Meets on Friday, Oct. 18, from 9 a.m. to noon; cost: $35.

Smoking cessation
This fall, two sections of the American Cancer Society Fresh Start program will be offered at University Park.

The October section begins on Monday, Oct. 7, and meets for four sessions (Oct. 7, 9, 14, 16) from noon to 1 p.m. in the Living Center in the Henderson Human Development Building. Space is still available in the group and interested faculty and staff are invited to participate. To enroll in the October program, call the faculty/staff health promotion office at (814) 865-3085. There is no charge for the program.

The Fresh Start program will be offered again on Nov. 12, 14, 19 and 21. To enroll in the November section, please consult the Human Resource Development Center Fall Course Schedule.

Seminars scheduled

The University is offering a series of seminars Oct. 10 and 11 on European Community business standards and information resources to help businesses compete in an international market.

Lt. Gov. Mark S. Singel will address participants on "Shaping Pennsylvania's International Economic Development Future" at a noon reception Friday, Oct. 11, in the Days Inn Penn State.

Registration for the Oct. 11 sessions and reception is $20. For more information, contact the University Libraries at (814) 865-0401.

Carpoolers

Carpooler needed from Philipsburg to University Park from 7:30 a.m. to 4:30 p.m. Please call 865- 3146 for more information.

Wayne is looking for one rider to carpool from the Lock Haven/Mill Hall area to University Park. Work hours are 8 a.m. to 5 p.m. Call 863-0837 or (717) 748-7511.

Focus on the arts

Pattee exhibit

Rina Banerjee's exhibition, "Significant Form," is on display in Pattee Library's East Corridor Gallery until Oct. 31.

The media used in "Significant Form" is a combination of primitive elements such as sand, dirt, encaustic, and others, that form the illusion of history. The subject is diffused or hidden within the rich colors and textures.

Ms. Benerjee was born in Calcutta, India and immigrated to the United States where she studied painting at the Cleveland Institute of Arts. Currently, she has been painting at her studio in State College.

The arts on Channel 3

Robert Frost: Versed in Country Things, airing at 10:30 p.m. Friday, Oct. 4, on WPSX-TV, features a cross-section of the poems that Robert Frost created while living on his poultry farm in Derry, New Hampshire.

Each poem is introduced by a character who, as the spirit of Robert Frost, guides the program through the farm and Frost's thoughts. The narration is based on the poet's letters and personal interviews.

Six poems are featured, including "The Pasture," "An Old Man's Winter Night," "My November Guest," "After Apple Picking," "The Tuft of Flowers" and "October."

'Pennsylvania Metals'

"Pennsylvania Metals" will be exhibited in Zoller Gallery at University Park Friday, Oct. 4, through Sunday, Nov. 3.

Leslie Leupp, associate professor of art in the School of Visual Arts, is guest curator of the exhibition, that demonstrates the diversity of contemporary metals. Pieces in the exhibition are both functional and sculptural and were created with a variety of methods and techniques.

There will be an opening reception in Zoller Gallery from 7 to 9 p.m. Friday, Oct. 4. The exhibition and reception are free to the public. Zoller Gallery is in the Visual Arts Building across the breezeway from the entrance to the Palmer Museum of Art. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Featured author

The Penn State Bookstore on Campus will host Bruce Weigl, associate professor of English and author of *Song of Napalm* (Atlantic Monthly Press, 1991), to sign and discuss his latest book, from noon to 4 p.m. Friday, Oct. 4.

Dr. Weigl is the author of four previously published books of poetry, and the editor of two collections of essays on contemporary American poets. His poetry has been widely anthologized, most recently in *The Morrow Anthology of Younger American Poets*.

He has taught at the University of Arkansas and Old Dominion University, and currently teaches in the Writing Program at Penn State. From 1967 to 1968 he served with the First Air Cavalry in Vietnam. *The Nation* has called his war poems "some of the finest in our language."

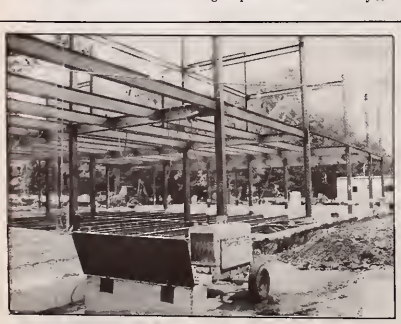
Piano to be showcased

In the early 1940s, Steinway custom-built a concert grand piano for the late Vladimir Horowitz, one of the world's great piano virtuosos. For nearly 50 years, Mr. Horowitz, who died in 1989, used the piano exclusively in concerts throughout the world.

That piano will be showcased in concert at 8 p.m. Friday, Oct. 4, in the School of Music Recital Hall at University Park as part of a nationwide tour sponsored by Steinway. After the performance, members of the audience will be invited on stage to play the piano.

Performed by School of Music faculty members Steven Smith, Marylene Dosse, Carl Blake and Timothy Shafer, the program includes music by Beethoven, Debussy, Chopin and Liszt.

The piano was used by Horowitz wherever he performed, including the historic concerts marking his return to Moscow and Leningrad. It also was used in the film produced about his concert tour of Moscow.



The new addition to the Palmer Museum of Art at University Park begins to take shape. (Photo: Greg Grieco).

Odyssey on WPSU

A modern Korean poem leads host Leonard Rubinstein and guest Seong-Kon Kim to discuss differences in interpretation among Eastern and Western cultures on the next Odyssey Through Literature program, "The Last Stanza of Azaleas."

Dr. Kim, a professor of English at Seoul University, Korea, and a Fulbright scholar-in-residence at Penn State last year, explains that "Korea has a tragic history. You have to endure over the times, otherwise you will perish and be defeated."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Jazz concert

Centre Dimensions, Penn State's award-winning jazz band, will perform in concert at 8 p.m. Wednesday, Oct. 9, in the School of Music Recital Hall at University Park.

The program will include big band music ranging from traditional selections such as Duke Ellington's "In a Mellowtone" to Thad Jones's contemporary "Greetings and Salutations."

EMHoward Lamb, a music graduate student, will be featured in an arrangement of "Spring Can Really Hang You Up The Most," and Greg Bloy will be featured in Dan Yoder's arrangement of "My Shining Hour." Vocalist Denna Walter will perform "All of Me" and "Come Rain or Come Shine."

Bach's Lunch

The Hi-Lo's from the Penn State Glee Club will perform in concert at 12:10 p.m., Thursday, Oct. 10, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include selections from madrigal, folksong and spiritual literature. Directed by Bruce Trinkley of the School of Music faculty, the Hi-Lo's is a group of 12 singers selected from the Penn State Glee Club.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

'Black Greek Life'

"Black Greek Life," organized by University students John Mitchell and Tanisha Robinson, is on display in the African American Studies Room in Pattee Library through Oct. 15.

The exhibit includes items from fraternities and sororities, photographs of the Penn State chapter founders, a group photo of Penn State Greeks and other items.

"Black Greek Life" is scheduled to be on display in Kern Graduate Commons during January and February, 1992.

'Performance anxiety'

Gail Berenson, associate professor of music and chairperson of the keyboard division at Ohio University, will present a workshop titled "Performance Anxiety" at 10 a.m. Friday, Oct. 11, in Room 221 Chambers Building at University Park.

The workshop, co-sponsored by the central chapter and student chapter of the Pennsylvania Music Teachers Association, presents skills for managing performance anxiety and handling everyday stress.

Ms. Berenson has performed throughout the United States and in Belgium, Switzerland and Great Britain in solo, duo-piano and chamber music recitals. She received a bachelor's degree and master of music degree in piano performance from Northwestern University. She also has completed graduate work at the University of Colorado in Boulder.

For more information, call Timothy Shafer, assistant professor of piano at Penn State, at (814) 863-4413.

Philharmonic

The Penn State Philharmonic will open its 1991-92 season with a performance of "The Planets," by Gustav Holst at 8 p.m. Friday, Oct. 11, in Eisenhower Auditorium at University Park.

The 85-piece ensemble will be joined for the performance by women from the Concert Choir, the University Choir and the Keynotes of the Women's Chorus. Douglas Meyer of the School of Music faculty will conduct.

See 'Arts' on Page 7

University Park Calendar

October 3 -- October 13

Special Events

Thursday, October 3
Instructional Development Program/ Workshop, "Developing Writing-Intensive Course Proposals," 8-10 a.m., 401 Grange.
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Brass Choir.
Health and Human Development Day, 10 a.m.-2:30 p.m., HUB Ballroom.
Panhel Women's Awareness Week Keynote Speaker, Maya Angelou, writer, activist, scholar and poet, 7 p.m., Eisenhower Aud.
Friday, October 4
Nutrition, informal discussion with undergraduate, graduate students, faculty, 10 a.m., 203 Willard. Christine Lewis, Chief, Clinical Research Section of the Clinical Nutrition Board, Food and Drug Administration, on "A Look at Nutrition Opportunities and FDA Careers." Also 2:30 p.m., 303 Willard. Christine Lewis on "Nutrition and Current Food Labeling Issues."
URTC, 8 p.m., Playhouse. God's Country, continues through Oct. 12
Saturday, October 5
Shaver's Creek, 5:30 p.m., Members' Fall Feast and Frolic. Call 863-2000.
Center for the Performing Arts, 8 p.m., Schwab Aud. Vladimir Viardo, piano.
Arthur A. Davis, Sec. of the Dept. of Environmental Resources of Commonwealth of Pa., 9 p.m., Nittany Lion Inn. Banquet address, Assoc. of American Geographers, Middle States Div. conference, on "The Environment. Challenges and Realities."
Sunday, October 6
Shaver's Creek, 2-4 p.m., Bird Hospitality. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., 108 Wartik. *Born In Flames* (1983); 8:45 p.m., *Breathless* (1959). Free.
Monday, October 7
■German, film, 8 p.m., 110 Wartik. *Klassiker der deutschen Filmkunst*, (1922).
Wednesday, October 9
Center for Women Students, Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Boucke. Shelia Martin on "Ida Wells Barnett and Mary Church Terrell on Civil Rights and Women's Rights."
School of Music, Univ. Jazz Ensemble, Centre Dimensions, 8 p.m., Recital Hall.
Thursday, October 10
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Hi-Lo's from the Penn State Glee Club.
Friday, October 11
School of Music, 8 p.m., Eisenhower Aud Penn State Philharmonic, The Planets by Holst.
Saturday, October 12
Shaver's Creek, 1-4 p.m., View From the Graveside. Call 863-2000.
Parents Weekend, through Oct. 13.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ray Charles.
School of Music, 8 p.m., Recital Hall. Ohio Univ., Trygve Peterson, flute; Donna Conaty, oboe; Gail Berenson, piano.
Sunday, October 13
Shaver's Creek, 1-5 p.m., Foliage Mountain Hike. Call 863-2000.
Center for the Performing Arts, 3 p.m., Eisenhower Aud. Harold and the Purple Crayon.
Carnegie Hall Film Series, 7 p.m., *The Conversation* (1974); 9 p.m., *Rumble Fish* (1983), 108 Wartik. Free.

Public Radio

WPSU- FM 91.1
"All Things Considered," Monday- Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein, "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education Keller Building
Oct. 7. Polymer Tutorial Workshop. Bernard Gordon, chair; Eric Loop, coordinator.
Oct. 7-9. Elements of Underground Coal Mining. Christopher Bise, chair; Barb Impelliteri, coordinator.
Oct. 7-9. 1991 Penn State Polymer Symposium. Bernard Gordon, chair; Eric Loop, coordinator.
Oct. 8. Pa. Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Oct. 8-9. Visible Emissions Training Program. Robert Heinsohn, chair; Bill Sterner, coordinator.
Oct. 8-10. Pa. Statewide Career Development. Edwin Herr, chair; Jack Sinclair, coordinator.
Oct. 10. Pa. Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Oct. 10-12. ■The Wall: Reality and Symbol. Manfred Keune, chair; Norm Lathbury, coordinator.

Seminars

Thursday, October 3
Polymer Science, 9 a.m., 301 Steidle. Rich Spontak, Proctor and Gamble, on "Morphological Studies of Block Copolymers and Their Blends by Electron Microscopy."
Physics Colloquium, 3:30 p.m., 55 Osmond Lab. K.K. Likharev, SUNY at Stony Brook, on "Correlated Single- Electron Tunneling and Applications."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. William Gordon, N.J. Marine Sciences Consortium, on "Our Changing Fisheries... an Ecological Imbalance."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Ake BJorck, Univ. of Minnesota, on "Loss and Recapture of Orthogonality in the Modified Gram-Schmidt Algorithm."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Laura Wilson, Univ. of Maryland, on "A National Panel Study of Health and Aging."
Friday, October 4
Gerontology Colloquium, noon-1 p.m., 101 E. Health and Human Dev. Roger Dixon, Univ. of Victoria.
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Rick Day on "Fragipan 'Leakiness': Measurement and Importance."
Tuesday, October 8
Polymer Science Symposium, Keller Conference Center, through Oct. 9.
"Polymer Blends and Multicomponent Systems."
Plant Pathology, noon-12:50 p.m., 112 Buckhout Lab. Hector Flores on "Acetylenes, RIPs, and Other Chemical Oddities: Root Metabolism and Plant Pathology."
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Robert A. Brown, Massachusetts Inst. of Tech., on "Experiments and Simulations of Nonlinear Transitions in Viscoelastic Flows." Refreshments, 2:30 p.m.
Chemistry Colloquium, 3:30 p.m., 55 Osmond Lab. Peter T. Wolczanski, Cornell Univ., on "The Chemistry of Early Transition Metal Nitrogen Bonds."
Alan R. Warehime seminar in Agribusiness Education, 3:45 p.m., 324 Ag Sciences and Industry. Catherine E. Adams, U.S.D.A., Food Safety and Inspection Service, on "Food Labeling and Some Food Safety", and "Issues: Implications for Consumers and the Food Industry." Refreshments, 3:30 p.m.
Biology, 4 p.m., 8 Mueller Lab. Dan Cosgrove on "Mechanisms of Plant Cell Growth: Biochemical, Biophysical and Dynamical Aspects."
Wednesday, October 9
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Nan Ying Jia on "Effect of Microstructural Change on the Behavior of Nonoxide Ceramic Fibers."
Thursday, October 10
Graduate Program in Ecology, 11:15 a.m., 108 Tyson. J. Michael Scott, Univ. of Idaho, on "Gap Analysis."
Physics Colloquium, 3:30 p.m., 112 Osmond Lab. E. Ward Plummer, Univ. of Pa., on "Surfaces of Simple Metals: An Experimentalist's and Theorist's Playground."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Glenida Laws, Deryck Holdsworth on "Planning for Aging in the Public and Private Sectors."
Friday, October 11
Technical seminar, 11:15 a.m.-12:15 p.m., 107 Wartik Lab. Jeffrey Rosen, Baylor College of Medicine, on "Milk Protein Gene Expression: From Basic Research to Biotechnology."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Steve Fales on "Stocking Rate Effects on Pasture Growth, Forage Quality, Forage Utilization, and on Milk Production by Dairy Cows Under Intensive Rotational Grazing."
Geog. Coffee Hour, 4 p.m., 319 Walker. Craig Zabel on "Extraordinary Buildings in Ordinary Places: Prairie School Banks and George Grant Elmslie." Refreshments, 3:30 p.m.
Saturday, October 12
Research funding seminar, 8:30 a.m.-noon, 128 Sackett. Marshall Kaplan on "Obtaining Funding for Faculty Research."

Exhibits

HUB Galleries
Art Alley Cases:
"Potter's Guild," through Oct. 6.
Kern Galleries
Sherry Oberholtzer, hand made baskets, through Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, through Nov. 8.
Palmer Museum of Art and Zoller Gallery
■SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, through Nov. 17.
Pattee Library
Lending Services Gallery:
Historic photographs, sketches, watercolors from the Centre County Library and Historical Museum, through Oct. 30.
Rare Books Room:
Joe Servello, paintings, through Oct. 4.
Zoller Gallery
Pennsylvania Metals, through Nov. 3.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather--234; Arts Line--345; University Calendar--456.

■Reflects an international perspective

Arts

(Continued from Page 6)

"The Planets" is an orchestral suite describing the mythical functions of seven planets of the solar system. Earth is not included, and Pluto had not been discovered at the time the piece was written.

Tickets are $5 for adults; $3 for students. For tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Ray Charles in concert

Ray Charles will give two concerts in Eisenhower Auditorium during Parents' Weekend Saturday, Oct. 12, at 5 and 8 p.m. Tickets for both performances, sponsored by the Center for the Performing Arts, are still available.

With four decades' experience as a professional musician, Mr. Charles needs no introduction. His fusion of gospel, rhythm and blues, jazz and country has won him world-wide acclaim and a prominent place in the annals of American music.

Mr. Charles has earned 10 Grammy awards, a Lifetime Achievement Award from the National Academy of Recording Arts and Sciences and was one of the original inductees into the Rock 'n' Roll Hall of Fame. His rendition of "Georgia On My Mind" was designated the official song of the state of Georgia in 1979.

Prices are $16 to $22 and $12 to $18. For more information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Awards

Associate professor of horticulture granted national fellowship

Robert Crassweller, associate professor of horticulture, is one of 45 Americans selected by the W.K. Kellogg Foundation for its Kellogg National Fellowship Program.

The program was founded in 1980 to help the nation expand its pool of capable leaders. Fellows receive a three-year grant of $35,000 to fund their self-designed plan of study. They are encouraged to develop skills in areas outside their chosen disciplines.

Dr. Crassweller plans to travel to China, Hungary and Zimbabwe to study the effects of foreign trade policies on economic development. He and other fellows will participate in educational seminars designed to strengthen their leadership skills.

A graduate of Miami University in Oxford, Ohio, he received his master's and Ph.D. in horticulture from Ohio State University.

He is business manager/treasurer of the American Pomological Society, a member of the American Society for Horticultural Science and an editor of the Pennsylvania Fruit News.

Robert Crossweller

College of Education alumni to be honored October 11

Seven College of Education alumni will be honored at the College of Education Alumni Society Annual Awards Dinner Friday, Oct. 11, at University Park.

Wayne K. Hoy will receive the Excellence in Education Award, **Carmella Ann LaSpada**, **Nancy Greninger Richardson** and **Jay Smink** will receive Leadership and Service Awards; **Gilbert Casterlow Jr.**, **Jane Delozier** and **Nancy Klym Gale** will receive Outstanding Teaching Awards.

Dr. Hoy is distinguished professor at Rutgers University, New Brunswick, N.J. He earned both M.Ed. and D.Ed. degrees in educational administration from Penn State.

Ms. LaSpada is founder and chair of No Greater Love, Washington, D.C., an organization dedicated to the families and children of those who died in service to our country or by acts of terrorism or who are being held captive. She earned her B.S. in psychology from Penn State.

Ms. Richardson is executive director of the New Jersey Council of Organizations and Schools for Autistic Children Adults Inc., Lawrenceville, N.J. She received her B.S. in elementary education from Penn State.

Dr. Smink is executive director of the National Dropout Prevention Center at Clemson University, Clemson, S.C. He earned his M.Ed. in industrial education and D.Ed. in educational administration, both from Penn State.

Dr. Casterlow is coordinator of mathematics and computer science education at North Carolina Agricultural and Technical State University. He earned his Ph.D. in curriculum and instruction with an emphasis in mathematics education at Penn State.

Ms. Delozier is an English teacher at Hollidaysburg Area Senior High School, Hollidaysburg. She holds a B.A. degree in English education from Penn State.

Ms. Gale, an elementary art teacher at Millville Elementary School, Millville, received a B.S. degree in art education from Penn State.

Members of Continuing Education division given development awards for service

Penn State Continuing Education has presented faculty and staff development awards to 10 members of the division from all University locations.

Award winners are:

— **Marlowe Froke**, director and general manager of Media and Learning Resources, the Vice President's Award for superior leadership, vision and the highest standards of achievement in the performance of professional duties and responsibilities.

— **Cheryl Kaplan**, area representative at the Penn State Ogontz Campus, the Emerging Continuing Education Professional Award for superior initiative, motivation, dedication and cooperative spirit by a new continuing education staff member.

— **John Mertz**, director of University Photo/Graphics, the Marybeth Reese Distinguished Service Award for outstanding service to the University and the people of Pennsylvania as well as for commitment to the ideals of responsible citizenship.

— **John Romano**, campus executive officer at the Penn State York Campus, the Award for Administrative Excellence for leading the diversification of continuing education programs at the campus and empowering staff members to experiment with different approaches to adult educational needs.

— **Joe DeSalvo**, adjunct faculty in the College of Engineering, the Award for Excellence in Teaching for professionalism, dedication and leadership in the planning and delivery of continuing education programs.

— **Donna Queeney**, director of research and external relations for Continuing Education, the Service to the Profession Award for superior contributions to research, scholarship and leadership to the professionalism of continuing education, both at the University and on the national level.

— **Robert J. Yapsuga**, area representative at the Penn State Allentown Campus, the Award for Outstanding Marketing and Outreach for excellence in marketing and outreach initiatives in the areas of corporate training and development partnerships.

— **Lillian Ross**, secretary to the director of continuing education at the Penn State Ogontz Campus, **Beth Gill-McDonald**, part-time area representative and adult student counselor at the York Campus; and **George Thurman**, director of operations and engineering for Media and Learning Resources; co-winners of staff awards for excellence in performance, professionalism and cooperative spirit in providing support services for the development and delivery of continuing education programs.

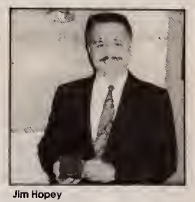
Manager recognized for administrative skills

Jim Hopey, manager of Pollock Dining Commons at University Park, has received the 1991 William H. Reiber Memorial Award from Housing and Food Services in recognition of excellence in administrative performance.

Mr. Hopey, who received a B.S. in food service and housing administration at Penn State in 1982, joined Housing and Food Services as an assistant manager in Findlay Dining Commons.

In 1983, he was promoted to manager of McElwain Dining Commons, which was ranked number one by students during his tenure. He also instituted the first "Student Employee-Of-The-Month" award.

In 1988, he was promoted to manager of Pollock Dining Commons, one of the largest dining facilities at University Park.



Jim Hopey

Department honors four in 1990-91

The Department of Mechanical Engineering presented its annual awards recognizing contributions during 1990-91 academic year.

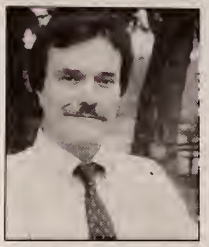
Stephen R. Turns, professor of mechanical engineering, received the Outstanding Teaching Award, which is co-sponsored by Pi Tau Sigma, mechanical engineering honorary.

Bohdan T. Kulakowski, professor of mechanical engineering and co-director of the Pennsylvania Transportation Institute, and **Charles L. Merkle**, distinguished alumni professor of mechanical engineering and director of the NASA Space Propulsion Engineering Center, received Outstanding Faculty Awards.

Joseph Rieker, a mechanical engineering graduate student, was recognized as the Outstanding teaching Assistant. The award is co-sponsored by Pi Tau Sigma.

Awards

Campuses honor faculty, staff and alumni


Robert Szymczak

Beaver Campus professor receives teaching award

Robert Szymczak, assistant professor of history at the Penn State Beaver Campus, has received the 1991 Beaver Campus Advisory Board Teaching Excellence Award.

Dr. Szymczak, who is the third recipient of the award which was established in 1989, was selected by a committee of Advisory Board members and Beaver Campus students.

Dr. Szymczak holds a master's degree from West Virginia University and a doctoral degree from Carnegie Mellon University. He earned a certificate of study from Jagiellonian University in Krakow, Poland, and has studied at Yale, Princeton, and the University of Pennsylvania on post-doctoral fellowships in recent years.

A member of the campus faculty since 1983, he previously served as a social studies teacher at Kiski Area High School in Vandergrift and also was an instructor in the evening division at Westmoreland County Community College.

Awards of excellence given at Fayette

Faculty and staff members at the Penn State Fayette Campus have been honored with awards.

J. Elizabeth "Betsy" Baird, assistant director of student programs and services, has received the Administrative Excellence Award. Ms. Baird, who has been at the campus 12 years, has primary responsibility for financial aid. She also coordinates the Advising/Counseling Center, Student Activities, and works closely with adult students.

Rodger Craige Henderson, associate professor of history, has received the Teaching Excellence Award. Dr. Henderson has been a member of the history faculty for more than five years, specializing in U.S. history, western civilization, Pennsylvania history, women in modern history, and constitutional history.

Evelyn B.Pluhar, associate professor of philosophy, is the recipient of the Scholarly Excellence Award.

Dr. Pluhar has twice before received Excellence Awards from the campus. In 1986, she was the first recipient of the Pennsylvania State University Award for Teaching Excellence at the campus, and in 1988, she received the Award for Scholarly Excellence.

Joy A. Fike and Earla J. Knoyer, members of the Financial Administrative Support Team at the Penn State Fayette Campus, are the 1991 recipients of the Fayette Campus Support Service Excellence Award.

Each received a $500 cash award and their team name will be listed on the Support Service Plaque in the Eberly Building.

Miss Fike, who will begin her 19th year at the campus, has worked in the offices of the Registrar and Admissions, and is now in the Office of Finance and Administration.

Ms. Knoyer has been employed at the campus for four-and-a-half years. She has worked in the campus bookstore as well as the Office of Finance and Administration.

Margaret I. Frankenbery is the recipient of the Penn State Fayette Campus 1991 Public Service Excellence Award.

Ms. Frankenbery, who received a $1,000 cash award and a plaque, has been a campus staff member for more than 12 years.

An active member of many civic and University organizations, she has served as president of the Fayette Division of the American Heart Association, a board member of the State Theatre Consortium, a member of the Uniontown Garden Club, and a board member of the Great Meadows Arts and Heritage Council.

Schuylkill names three

Three members of the Penn State Schuylkill Campus faculty have received the campus Research and Scholarship Support Award, presented by the Schuylkill Campus Advisory Board.

Recipients are: **Andrew Tellep**, instructor in computer science; **Thomas H. Eberlein**, assistant professor of chemistry, and **Michael Gallis**, assistant professor of physics.

The award, which is funded through the campus' annual fund, was initiated in 1987 by the advisory board in an effort to recognize activities of campus individuals.

The award, which for the 1991-92 academic year totals $3,100, is intended to support activities such as instructional improvement and course development; artistic and creative projects; research; review of existing literature; data evaluation; development of new devices, equipment, theories and philosophical views.

Five cited at Wilkes-Barre

The Penn State Wilkes-Barre Campus has honored faculty and staff members with its annual awards.

Anne A. Holmes, instructor in health and physical education, received the Fran Brown Humanitarian Award which recognizes outstanding contribution beyond job responsibilities, to humanizing life within the campus by demonstrating concern and support for others. The award was named in memory of the campus secretary who for thirteen years epitomized this attitude.

The Hayfield Community Service Award was presented to **Gary Beisel**, coordinator of campus security and operations, for his outstanding voluntary contribution to community life in the campus service area.

Lorraine Mrackoski, secretary to the director of Student Programs and Services, received the Excellence in Performance Award.

Siquan Zhu, professor of mathematics, received the Hayfield Development Award for outstanding performance in his professional field.

Charles Ghilani, assistant professor of engineering and head of the Surveying Technology Program, received the Innovation Award which recognizes a significant contribution through innovation.

Mont Alto honors two

John C. "Jack" Good, of Chambersburg, has received the Penn State Mont Alto Distinguished Alumni Award.

Mr. Good, who began his college career at the Mont Alto Campus in 1937 and graduated from Penn State in 1941 with a degree in forestry, was honored for devoting his energy and creativity to the University, the Mont Alto Campus, the community, his profession and his family over the past four decades.

Jack Good (left) and Siegfried Herzog

Siegfried Herzog, assistant professor of general engineering at the Penn State Mont Alto Campus, has received the Martha A. Fisher Award for faculty excellence.

Dr. Herzog, was selected for the honor by a committee comprised of five students.

The award, in its second year, is named for Martha Fisher, retired associate professor of English, who was the first recipient of the honor. The award, which includes a $500 stipend, is bestowed by the Mont Alto Campus Faculty Association.

Promotions

Faculty

Irving H. Buchen to professor of English at Ogontz Campus.

Staff Exempt

Susan J. Ake to systems project analyst in Agriculture.
Paula Barone to area representative at Ogontz.
Richard R. Barto to security supervisor at Hershey.
Edwin W. Biederman to senior technical specialist in Research and Graduate School.
Todd B. Douty to senior analyst/programmer in C&IS-Library Computing Services.
Brian W. France to senior system programmer in C&IS-Management Services.
Maria C. Glaser to medical social worker II at Hershey.
Diane M. Graham to clinical dietician specialist at Hershey.
Peggy A. Hitz to administrative assistant at Hershey.
Stanley P. Hreniuk to research support assistant at Hershey.
Susan M. Jones to clinical nurse specialist at Hershey.
Marcia A. Krick to administrative assistant at Hershey.
Kim E. Leitzel to research support associate at Hershey.
Michael J. Leonard to coordinator of operations/advisor in Arts and Architecture.
Robert J. MacDonald to bookstore manager in Penn State Bookstore.
Mary E. Madigan to director of admissions at Behrend College.
Patricia A. Peslipsky to administrative assistant in Liberal Arts.
Mimi C. Ridenour to technical writer/editor in C&IS-Center for Academic Computing.
Mark Rubinstein to information analyst in Undergraduate Education.
Mark M. Schwartz to supervisor, surgery research animal laboratory at Hershey.
Barry R. Smock to security supervisor at Hershey
Donna K. Sorensen to senior applications programmer/analyst in C&IS-Management Services.
Randy L. Spear to security supervisor at Hershey.
Susan L. Weaver to statistical programmer/analyst at Hershey.
Douglas C. Wagner to manager, food services in Housing and Food Services.
Susan F. Williams to bookstore manager at Penn State Harrisburg.
Patricia A. Witmer to proposal and grant assistant in Liberal Arts.
Gale L. Zearfoss to accountant and business coordinator at Hershey.

Staff Non-Exempt

Arlene J. Albrite to cardiology technician at Hershey.
Bazett Blacklock-Schurer to computer support assistant in College of Engineering.
Karen L. Broome to clinical head nurse at Hershey.
Elizabeth P. Crawford to financial counselor at Hershey.
Lucy A. Dzeskiewicz to senior research technologist at Behrend College.
Kristen S. Gray to senior research technician at Hershey.
Linda L. Hand to clinical head nurse at Hershey.
Corey J. Hartman to computer tomography radiological at Hershey.
Tanya A. Heatwole to administrative aide at Hershey.
Edward F. Jaskowak to maintenance inspector, electrical and mechanical in Office of Physical Plant.
Sandra K. Maclary to clinical head nurse at Hershey.
Geraldine G. McClurg to budget coordinator at Hershey.
Theresa D. Peters to administrative aide in Eberly College of Science.
Sue C. Schreffler to clinical head nurse at Hershey.
Jane L. Shuey to staff assistant at Hershey.
Cynthia R. Wallis to clinical head nurse at Hershey.

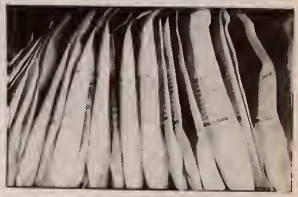
Clerical

Jodie A. Auman to secretary C in Liberal Arts.
Wilma J. Aungst to clerk A, Lending Services in University Libraries.
Annette L. Barnhart to clerk, transcript A in Academic Services.
Shirley A. Burns to senior telephone operator in C&IS-Telecommunications.
Lila S. Conklin to clerk typist A in Agriculture.
Christinia L. Crnjar to secretary B at Hershey.
Kimberley A. Darlington to clerk, accounting A in Housing and Food Services.
Mary Jane Hall to secretary A in Office of Human Resources.
Christine Klinger to secretary B at Hershey.
Christine M. Lear to secretary B in Division of Development and University Relations.
Michele L. Lose to clerk A receiving in University Libraries.
Bethany C. Lowery to secretary B in College of Engineering.
Jody D. McClintic to clerk A in Continuing Education.
Veronica M. Miller to secretary B in Research and Graduate School.
Margaret L. Novosel to clerk, accounting A in College of Engineering.
Susan K. Ripka to secretary A in College of Engineering.
Carolee A. Roman to senior clerk, technical services at Penn State Harrisburg.
Mary L. Ryan to secretary in Office of the President.
Donna L. Sauter to accounting clerk at aHershey.
Patricia J. Selman to senior budget clerk at Hershey.
Donna J. Schultz to secretary B in Continuing Education.
Claudia Sellers to senior clerk insurance team at Hershey.
Marcia L. Spotts to receptionist typist in Smeal College of Business Administration.
Cathy A. Thompson to secretary A in Liberal Arts.
Karen M. Wagner to secretary B at Hershey.
Adora A. Way to secretary C in Smeal College of Business Administration.
Sharon L. Weymer to secretary B at Hershey.
Thomas E. Whalen to senior clerk, lending services in University Libraries.

Technical Service

Dale E. Albright to maintenance worker, utilities piping in Office of Physical Plant.
Darral E. Bakner to maintenance mechanic A at Mont Alto Campus.
Vicki L. Bennett to receiving clerk at Hershey.
Susan F. Blauch to laboratory technician C at Hershey.
Karen M. Bogner to utility worker at Hershey.
Barry R. Carolus to AV technician B in Continuing Education.
John J. Ceccarelli to AV technician in Continuing Education.
George R. Conklin to stockroom inventory clerk in Eberly College of Science.
Dean E. Dashem to utility meter technician B in Office of Physical Plant.
Vickie L. Dowhower to shuttle bus driver at Hershey.
Loyd R. Eason to utility worker at Hershey.
Maria E. Farr to utility worker at Hershey.
Sharon M. Fisher to maintenance worker landscape at Ogontz.
Konnie M. Fisher to residence hall utility worker in Housing and Food Services.
Ralph R. Fleming to asbestos removal and maintenance worker in Office of Physical Plant.
Michael B. Fitzgerald to asbestos removal and maintenance worker in Office of Physical Plant.
Mark P. Gephart to water analyst in Office of Physical Plant.
Charles Habjanetz to utility worker at Hershey.
Carl B. Heywood to maintenance mechanic A in Continuing Education.
Patricia A. Hinkle to escort service aide at Hershey.
Crawford L. Hunter to maintenance worker utility at Penn State Harrisburg.
Lester E. Jones to maintenance worker utility at Wilkes-Barre Campus.
Stanley J. Kaluzny to utility meter technician A in Office of Physical Plant.
Georgia L. Kleinfelter to utility worker at Hershey.
Kimberly A. Kopp to patient nourishment assembler at Hershey.
Majka T. Lodowski to residence hall utility worker in Housing and Food Services.
Harry R. Loose to residence hall preventive maintenance worker in Housing and Food Services.
Lynne A. Merryman to maintenance mechanic, utilities piping in Office of Physical Plant.
Roy R. MIller to maintenance mechanic at Hershey
Judy A. Moore to cook at Hershey.
Edwin A. Pagan to maintenance worker utility at Allentown Campus.
Matthew A. Peters to groundskeeper landscape A at Ogontz.
Anthony Pizzuto to maintenance worker, General B in Continuing Education
Stephen M. Putt to cook at Hershey.
Robin D. Rockey to residence hall utility worker in Housing and Food Services.
Lawrence R. Rowe to printing press operator at Hershey.
Kathy J. Schildt to environmental health worker, group leader at Hershey.
Franklin M. Shuey to maintenance mechanic A at Hershey.
Franklin R. Straub to senior patrol officer at Hershey.
Michael S. Swanger to operating room assistant at Hershey.
Dale A. Travitz to group leader, print shop at Hershey.
Dorie D. Weaver to plumber, fitter in Office of Physical Plant
William P. Wegman to receiving clerk at Hershey.
Jerry A. Witherite to maintenance worker, area landscape in Office of Physical Plant.
Judy A. Wolfe to storeroom clerk C at Hershey.
Camille E. Zions to residence hall worker in Housing and Food Services.

New storage techniques ensure pureness of coal samples for research work



At Penn State's Coal Sample Bank, laminated pouches (top) have replaced metal cans for storing coal samples for use by researchers.

Photos: Greg Grieco

Just as in the food industry, the University's Coal Sample Bank has switched from metal cans to laminated pouches to help preserve samples.

The switch was made after researchers studied the storage properties of conventional coal sample storage containers — polyethylene barrels and buckets and heat-sealed argon-filled polyethylene bags in sealed steel cans — and compared them to multilaminate heat-sealed argon-filled pouches.

"Preservation in laminate bags is better than in conventional containers and comparable to glass ampoules," **David C. Glick**, senior research assistant in the Energy and Fuels Research Center, says.

The Penn State Coal Sample Bank stores samples of coal from across the U.S. Analyses of these samples make up the Penn State Coal Data Base, which has information on 1,451 coal samples. The coal bank supplies samples to researchers upon request and currently houses 1,101 samples. The most recent 54 samples have been funded by the Department of Energy with the rest supported by the Penn State Coal Co-op.

"These coal samples are collected by our own crews," says **Alan Davis**, professor of geology and director of the Energy and Fuels Research Center. "That way we know exactly what we've got and how it has been treated."

Coal samples for the bank are usually taken from the entire thickness of the coal seam although occasionally run-of-mine, partial seam or special samples are taken. The samples are placed in inert gas-filled gasketed steel drums in the field and processed as quickly as possible upon return to Penn State.

"Some aspects of coal deterioration take place within hours or days of collecting the samples," Dr. Davis says. "The fluid characteristics of coal are quickly and seriously affected by oxidation. This is a critical factor for the coking industry. If our samples are to remain informative on coal properties, then we must prevent oxidation or any other changes in the samples."

The Penn State researchers, who included Drs. Glick, and Davis and **Gareth D. Mitchell**, senior research assistant, conducted two studies of conventional coal sample storage containers that showed problems with sample preservation and atmospheric infiltration of the containers.

The Penn State Coal Sample Bank stores samples of coal from across the United States. Analyses of these samples make up the Penn State Coal Data Base, which has information on 1,451 coal samples.

"For conventional bulk storage containers, all tended to leak so that after one month the argon had escaped," Dr. Glick notes. "Further analysis indicated that thermoplasticity, sulfate sulfur and calorific value changed during storage over a four year period."

Thermoplasticity is recognized as the most sensitive indication of oxidation in coal.

Multilaminate bags, which are composed of an inner polyethylene layer, an aluminum foil middle layer and a spun-bonded polyethylene exterior, were compared to conventional containers and to coal samples sealed in glass ampoules.

In comparing multilaminate bags to conventional containers, samples were sealed in polyethylene buckets, laminate bags and steel cans. Samples were also left in open containers. The study showed that laminate bags preserved better than either steel cans or polyethylene buckets.

In comparing multilaminate pouches to glass ampoules, the researchers used ampoules of six Argonne premium coal samples. Ampoules of each sample were immediately analyzed, several ampoules were left intact and the contents of others were transferred — in an inert atmosphere — to laminate bags. After both eight months and two years the stored samples were analyzed and compared.

After two years, most of the samples showed no difference — beyond experimental error — in thermoplasticity between the glass ampoules and the laminate bags. Both maintained fluid properties very well.

Penn State's Coal Sample Bank houses samples of all ranks of coal including lignite, bituminous and anthracite. The data collected on the coals includes information on the geographical, mining, geologic and chemical characteristics and include information on elemental content, ash, heating value and trace elements.

"One of the things that sets us apart from other coal sample banks, besides the number of samples and the amount of data we have, is that we do petrographic analysis," Dr. Davis says. "We look at the coal under a microscope and detail the composition of the coal — materials derived from wood, spores, resins, cuticles or charcoal. This petrographic composition can cause important differences in chemical composition and behavior."

Requests to Penn State's Coal Sample Bank range from a few grams to 100 pound samples. The sophistication of researchers varies from those who request specific samples to those who need assistance choosing the coal they need. The Coal Bank distributes approximately 350 coal samples and information on about 8,000 samples each year.

Dr. Davis is quick to explain that the information stored on each sample is representative of only that sample and not the entire coal seam. If a popular coal sample is used up, another sample will be gathered, along with new test results in all the categories.

"Even if the information is sample specific, researchers need to know that when they receive a sample from Penn State's Coal Sample Bank they are receiving coal that is as close in properties to the seam in the ground as possible." -- **A'ndrea Elyse Messer**

Bookshelf

Author Stanley Weintraub Photo: Greg Grieco

In December 1941 as Japan prepared to attack Pearl Harbor, it explained its aims as an attempt to end cultural and economic domination in Asia by a materialist and soulless West, according to a University historian.

In *Long Day's Journey into War: December 7, 1941*, a new book marking the 50th anniversary season of the surprise attack, **Stanley Weintraub**, Evan Pugh professor of arts and humanities, quotes a Japanese propagandist as warning, "We want to tell the United States to take her dirty feet out of the [East Asian] flower garden into which they have intruded. We wish that she will leave the garden quietly."

"Japanese war planners," Dr. Weintraub observes, "gambled on the failure of American staying power on the Pacific rim and the likelihood, given American isolationism at home, that it would surrender its interests in the far Pacific for the sake of peace."

Published by Dutton, *Long Day's Journey into War: December 7, 1941*, is a gripping hour-by-hour chronicle, in simultaneous time, of what was happening worldwide on the date that President Franklin D. Roosevelt characterized as one that "will live in infamy."

"Few Japanese military experts coordinating the strikes across a quarter of the globe's surface were confident about attacking so far away as Pearl Harbor," Dr. Weintraub notes. "Admiral Takijiro Onishi warned that America could not be 'brought to its knees' by war, and that avenues for compromise had to be left open."

The Japanese public, however, was largely euphoric about Pearl Harbor, according to the book, in part because its overwhelming success might mean a short war, and because it promised to shift the anticipated "Kantai Kessen" — the great all-out battle — from homeland waters to enemy territory. And it did, six months later in the Battle of Midway, a far-reaching defeat that turned the war around.

The summer rice crop in 1941 had been poor, emphasizing Japan's need for produce from Burma and Thailand, and President Roosevelt, to halt aggression in China, had embargoed sales of oil and scrap iron to Japan.

While Japanese apologists today continue to cite these economic pressures, Dr. Weintraub points out that military strategists had been planning the Pearl Harbor attack since the previous January.

In the end, not every Japanese was delighted with the apparent victory. When news of Pearl Harbor came, the veteran political scientist Kiheji Onozuka wrote in his diary, "The good ship Japan has been sunk."

Patricia Farrell, associate professor of leisure studies, and **Herberta M. Lundegren**, professor and acting head of leisure studies and senior associate dean in the College of Health and Human Development, are the authors of *The Process of Recreation Programming*.

The book is for recreation directors who want to learn how to manage recreation programs rather than how to do various activities.

The reader won't learn how to shoot an arrow, play the guitar, chop down a tree, or make jewelry, but how to strategically plan and program these activities in a step-by-step process. The book is for recreation programmers of all levels: students, programmers-in-training, and experienced programmers.

The book focuses on setting goals and objectives, program structure, organization and administration, recreation program areas, and evaluating objectives. It includes programming for organizations that focus on the arts, environmental activities, sports and games, and volunteering.

The new edition contains material that can help the programmer understand the diversity of participants' ages, skills and levels of interest. It also includes leisure education, the use of volunteers, marketing of programs, and qualitative approaches to evaluation. In addition, the authors have revised a chapter on data analysis.

The book is published by Venture Publishing, Inc.

Penn Staters

Stephen Beckerman, associate professor of anthropology, presented a paper, "Major Patterns in Indigenous Amazonian Subsistence," at a UNESCO sponsored symposium, Food and Nutrition in the Tropical Forest: Biocultural Interactions and Applications to Development, in Paris, France. He was co-author of another paper, "Chemical Ecology and the Traditional Marioc Cultivation Systems," presented at the same symposium.

Jude A. Cassidy, assistant professor of psychology, has received the Boyd McCandless Award of the American Psychological Association for her outstanding research in social and emotional development in children.

Elizabeth Hanley, assistant professor of exercise and sport science, presented a dance-to-poetry workshop and directed the closing ceremonies at the International Olympic Academy Alumni Association meeting in Olympia, Greece.

Jerry C. Olson, chairman and professor of marketing, served as a visiting professor with the Marketing Institute at the University of Innsbruck, Austria. He presented papers at an annual Austrian advertising conference and at the annual conference of the European Marketing Academy in Dublin, Ireland.

Donna M. Rogers, assistant professor of Spanish, presented a paper, "...feren les majors rialles del mon': Curial in the Convent," at a colloquium on 15th Century Hispanic Literature at Westfield College, University of London, England.

Victor W. Sparrow, assistant professor of acoustics, and **Allan D. Pierce**, holder of the Leonhard Chair in acoustics, were awarded a three-year, $307,000 grant from the U.S. Office of Naval Research for research on underwater acoustic scattering from fuzzy structures, or structures whose properties are known only in probabilistic terms.

Gerhard F. Strasser, associate professor of German and comparative literature, presented a paper on "European Vision of Universal Languages in the 17th Century: Hopes for the Opening Up of the Orient" at the 13th Congress of the International Comparative Literature Association in Tokyo, Japan.

Frank J. Swetz, professor of mathematics and education at Penn State Harrisburg, delivered a plenary session address "Why Research the History of Mathematics?" at the International Conference on the History of Mathematics and the Education of the History of Mathematics held in Baotou, Inner Mongolia, PRC.

Peter J. Webster, professor of meteorology, presented a paper titled "Monsoon-ENSO Interactions: The Role of the Annual Cycle in the Coupled Ocean-Atmosphere System" at the XX General Assembly of the International Union of Geodesy and Geophysics in Vienna, Austria.

Two computer models developed by **Gour-Tsyh Yeh**, professor of civil engineering, have been chosen by the U.S. Environmental Protection Agency for use in the National Well Head Protection Program. The two programs, 3DFEMWATER and 3DLEWASTE, will be used as the core groundwater flow and transport modules in the planned assimilative analysis system for the program.

Sam Zamrick, professor of engineering mechanics, has been named chair of the American Society of Mechanical Engineers Pressure Vessels and Piping Division. He also received the R.J. McGrattan literature award given by ASME for the best technical article published in the Journal of Pressure Vessel technology.

Appointments

Bonnie Fagan

Leroy M. Keeney

Donald W. Leslie

Harold B. Shill

Sally I. Wangsness

Bonnie Fagan has been named associate director of development and university relations at Penn State Erie, the Behrend College. Her duties include coordinating alumni programs, advising the Lion Ambassador student volunteers, facilitating the annual fund program, coordinating institutional advertising, and supervising Public Information.

She earned a bachelor's degree in journalism from the University of Pittsburgh at Johnstown and holds a position on the Advisory Board for the Arthritis Foundation, Erie Branch.

She previously served as director of the Arthritis Foundation, Erie Branch.

Leroy M. Keeney has been named a training specialist at the Penn State York Campus.

He will be working on the Central Pennsylvania Apprenticeship Training and Technology Program (CPATT), a joint training partnership between Penn State York continuing education, the International Association of Machinists and Aerospace (IAM) workers union and local industry.

Prior to joining the Penn State York staff, Mr. Keeney worked as a senior estimator for AAI Corporation, Inc., in Hunt Valley, Md., where he was responsible for complete review, evaluation, cost estimation and submittal of proposals.

Donald W. Leslie, associate professor of landscape architecture, has been named associate dean for undergraduate studies in the College of Arts and Architecture. He will be responsible for all undergraduate studies and continuing education for the college.

Dean Leslie joined the faculty in 1971. From 1979 to 1980 he was acting head of the Department of Landscape Architecture and was a member of the University Faculty Senate from 1981 to 1989.

A registered landscape architect, he holds a bachelor of science in landscape architecture from Penn State and master of landscape architecture from the University of Michigan.

He has served as president of the Pennsylvania/Delaware Chapter of the American Society of Landscape Architects and is the current vice president for policy of the American Society of Landscape Architects.

Harold B. Shill, has been appointed head of Penn State Harrisburg's Division of Library and Information Services.

Dr. Shill had served as head librarian of the Evansdale Library, the major branch library at West Virginia University for the past 11 years and as associate professor of library science at West Virginia University since 1982.

Dr. Shill is an active leader within the American Library Association, the Association of College and Research Libraries and the West Virginia Library Association. He has a particular interest in government-related information issues and has played a significant role in important economic development activities in West Virginia.

He holds a doctor of philosophy in political science from the University of North Carolina and a master's degree in library science from the University of Maryland.

Sally I. Wangsness has been named associate director for the Commonwealth Education System in the School of Nursing, part of the College of Health and Human Development.

Ms. Wangsness, who also is an assistant professor of nursing, is responsible for continuing education and associate degree programs in nursing at the Commonwealth Campuses.

She also has responsibility for the extended degree program in nursing, which makes a bachelor's degree possible for registered nurses whose previous education was through a hospital or associate degree program.

Ms. Wangsness had been an instructor in nursing from 1979 to 1981; more recently, she was an instructor, teaching assistant, and research assistant in the Department of Health Policy and Administration.

She holds a bachelor's in nursing from the University of Wisconsin; two master's degrees from Penn State: one in nursing and one in health administration; and a doctorate in community systems planning and development, also from Penn State.

She is a member of Sigma Theta Tau, the national honor society for nursing, and is a former president of Penn State's Nursing Alumni Society.

Steven G. Thorne has been named to the Maurice K. Goddard Chair in forestry and environmental resources in the School of Forest Resources, effective Oct. 1. He currently is the state director of the Nature Conservancy in Minnesota.

The endowed chair honors the leadership of Maurice Goddard, who served as Secretary of the Department of Environmental Resources under five Pennsylvania governors. He also served as director of the School of Forest Resources.

Mr. Thorne holds a law degree and a bachelor's degree in forest resources management, both from the University of Minnesota. He served as deputy commissioner of the Minnesota Department of Natural Resources for 12 years before joining the Nature Conservancy early in 1991. He also served as special assistant attorney general in Minnesota from 1973 to 1978, working primarily in the areas of Native American, administrative, mineral and environmental law.

In 1988, Mr. Thorne received the Nature Conservancy's President's Public Service Award in recognition of his commitment to preserving biological diversity.

The Goddard Chair was endowed in 1982 with gifts from foundations, corporations and from the personal contributions of friends. To assure a continuous flow of new ideas and direction, the chair can be occupied by one individual for a maximum of six years.

Mary Anna Miles has been named coordinator for public information and publications in the College of Arts and Architecture.

Ms. Miles, a former Daybreak/Lifestyle editor for the *Centre Daily Times*, brings nine years of journalism experience to the position. During her tenure at the *Centre Daily Times*, she was responsible for developing the Neighbors section, redesigning the Weekender entertainment section, establishing a Sunday travel page and revamping the religion page.

In 1990 she earned a Family Living Section Keystone Press Award.

From 1977 to 1987, Ms. Miles served as a school director on the Bellefonte Area School Board. Between 1981 and 1985 she was board president.

She holds a bachelor of science degree in English and secondary education from Indiana University of Pennsylvania.

Nominations for teaching award sought

Nominations are now being accepted for the 1992 Penn State Teaching Fellow Award.

Established jointly by the Alumni Association, Undergraduate Student Government and Graduate Student Association, the award honors distinguished teaching while providing encouragement and incentive for teaching excellence at the University.

One or more awards will be given. Awardee(s) will be honored at the Spring Awards Convocation. Recipients receive a check and an inscribed memento and have their names added to a permanent plaque located in the Hetzel Union Building.

Nomination forms for the Teaching Fellow Award are available from the Alumni Association, 105 Old Main. Nominations are due by Nov. 15.

Private Giving to Penn State

Work is under way on a cafe-style seating area at the west side of the Creamery at University Park. The project is a gift of the Class of 1991. (Photo: Greg Grieco).

Eberly Trust provides gift for scholarships at Fayette Campus

The Penn State-Fayette Campus has received the largest student scholarship endowment gift in its history -- $250,000 -- from the Eberly Family Charitable Trust of Uniontown, PA.

"To our knowledge, this also is the second largest philanthropic gift to endow an undergraduate scholarship ever received by any of Penn State's seventeen Commonwealth Campuses," John D. Sink, Fayette Campus executive officer, said.

"We are truly grateful to this distinguished Fayette County family whose initial vision was instrumental in establishing a campus in 1965 and whose concern and generosity has sustained Penn State-Fayette since that time."

The Eberly Family Charitable Trust is composed of the children of the late Orville S. and Ruth Rhoda Moore Eberly. The trustees are Robert E. Eberly Sr., a 1939 Penn State chemistry graduate who serves as the trust manager, and his sisters, Carolyn Eberly Blaney and Margaret Eberly George, all of Uniontown.

"In these difficult economic times, it makes good sense to us to assist the region's young people in obtaining a college education, for such an education will be a necessity for our people and our region to compete with the rest of the world in the years ahead," Mr. Eberly said.

The Eberly Family Fayette Campus Scholarship Fund will provide financial assistance to students who are enrolled in any program offered by the Fayette Campus and who are pursuing at the Fayette Campus a regular course of study leading toward a degree granted or certificate awarded by Penn State-Fayette.

In making the gift, Mr. Eberly said, "It is in recognition of a great university and campus that can become even better. It is important to realize that great public universities such as Penn State and its Fayette Campus require strong philanthropic support to create their margin of excellence.

"The Eberly Family wants to help create for all Pennsylvanians and Americans one of the best universities in the world providing service in southwestern Pennsylvania, and we believe that can be done at Penn State and its Fayette Campus."

Included are Latin volumes, timberland

Gifts support libraries, forestry, medical center

Rare Latin volumes

A Penn State alumni couple has given University Libraries more than 230 rare classical Latin volumes, published by the great printing houses of the Renaissance.

Barbara and **Leonard S. Goodman** of Washington, D.C. have collected the works of Aesop, Virgil, Livy, Ovid, Pliny the Younger, Pliny the Elder and many others during visits to Europe and from book sellers in this country for nearly 25 years.

The Goodmans met as undergraduates in a Latin class at Penn State in the 1950s. Barbara Lock Goodman taught Latin and classical studies for 26 years to high school students in Montgomery County, Md. She used photographs taken by her husband at Roman ruins in Europe, and occasionally, these books, to make the ancient past tangible for her students.

"Normally, young people aren't very interested in the passage of time," Mrs. Goodman said. "But these books showed them that many, many people who lived long ago had enormous interest in Rome and the Roman legacy."

Leonard Goodman is an attorney and legal consultant in Washington, D.C., specializing in transportation rate-making issues.

According to Charles W. Mann Jr., chief of the Libraries' Rare Books and Special Collections section, fine editions from most of the great classical presses are represented, including Aldus, Elzevier, Froben, Estienne, and Baskerville. The books could be used in studies of typography, the history of papermaking, printing and bookmaking, as well as being excellent documentation of the classical use of the Latin language, he said. The collection has been appraised at $48,000.

"New typefaces were invented just to print these texts," he noted.

"These books are a wonderfully rich resource for Penn State students and scholars alike."

Timberland

Jane M. Madsen and her husband, **Harold E. Mitzel**, who both retired from the University faculty in 1989, have given 50 acres of timberland in the Bald Eagle Valley to the University.

The parcel will be used for research, demonstration of woodlot management techniques, tours by classes from the College of Agriculture's School of Forest Resources, and for other exclusively environmental educational purposes.

Dr. Mitzel retired as associate dean emeritus and professor emeritus of psychology and educational psychology after 27 years at Penn State. He joined the University in 1962 as assistant dean for research and professor of psychology and educational psychology, and later served as associate dean for research and graduate studies in the College of Education.

Dr. Madsen was associate professor in the College of Education for 20 years, and received the Outstanding Teacher award by the college alumni association in 1983-84.

The couple has long had an avid interest in tree farming, and are certified members of the American Tree Farm System. Under the conditions of the gift, known as a remainder interest agreement, they will continue to manage and use the property as long as they live.

Forestry program

The University has received $729,000 from the estate of Harry R. Condon, a 1913 graduate of the forestry program.

The funds will be added to the Nell E. and Harry R. Condon Memorial Fund, which will help the School of Forest Resources to purchase forest lands for laboratory and instructional purposes. A portion of the funds also will go into a loan fund for undergraduate students, as well as scholarships and fellowships that may be approved by the University's Board of Trustees.

Mr. Condon, who died in 1981 at the age of 94, established a charitable remainder unitrust for relatives, who recently died. As specified by the trust, the University was named to receive the funds following their deaths.

Mr. Condon, an Ardmore native, served as vice president of Koppers for 28 years, retiring in 1953. He was a longtime resident of Lighthouse Point, Fla., where he lived since his retirement.

Campaign for Hershey

Joseph A. Hardy Sr., developer of the Nemacolin Woodlands Resort in the Laurel Highlands, has given $100,000 to Penn State's Campaign for Hershey.

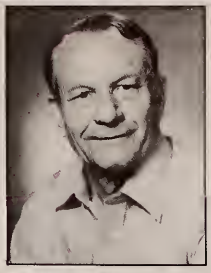
The Campaign, launched in March, seeks to raise $10 million in private contributions to help build and equip the new Biomedical Research Building. More than $5.5 million has been raised so far.

Now under construction adjacent to the College of Medicine, the seven- story, 236,000-square-foot facility will contain laboratories for the departments of Anesthesia, Medicine, Microbiology and Immunology, Neuroscience and Anatomy, Ophthalmology, Pediatrics, Radiology and Surgery. The building is estimated to cost $47 million. Approximately $37 million will be underwritten through a bond issue and the use of financial reserves. No state money will be used.

Mr. Hardy, of Eighty-Four, Pa., who founded the chain of 84 Lumber stores in the late 1950s, purchased a former private preserve in the Laurel Highlands in 1987 and transformed it into the Nemacolin Resort. It contains more than 100 rooms and a conference center, spa, grand ballroom, PGA-approved golf course, swimming, tennis and five restaurants.

Partings

Gerald G. Eggert



Friedrich G. Helfferich

William J. McHale

Robert P. Murphy

Gerald G. Eggert, professor of history, has retired after 26 years service.

His research has centered on labor and business history, and much of his teaching has reflected those interests. At the graduate level he introduced a seminar on the use of quantitative analysis for historians.

Dr. Eggert is the author of *Railroad Labor Disputes: The Beginning of Federal Strike Policy, Richard Olney: Evolution of a Statesman* and *Steelmasters and Labor Reform 1886-1923.* He also is author of a forthcoming book, *Harrisburg Industrializes: The Coming of Factories to an American Community,* to be published by the Penn State Press in fall 1992.

A member of the University faculty since 1965, Dr. Eggert served as head of the History Department from 1980 to 1985 and as head of the University Committee on Teacher Preparation in 1985. He previously held teaching positions at the University of Maryland and Bowling Green State University in Ohio. He also spent five years teaching in Michigan's public schools.

In his retirement, Dr. Eggert plans to continue his research and working with the Roland Curtin Foundation, which operates Curtin Village, a reconstructed iron-making facility near Milesburg that operated between 1811 to 1921. He is the business secretary of the Pennsylvania Historical Association and plans to continue his work with the society as well.

He and his wife, Jean H., are the parents of three children: Michael, Susan and Christine, all of whom are Penn State graduates.

Friedrich G. Helfferich, professor of chemical engineering, has retired with emeritus status.

Dr. Helfferich is internationally known for his contributions and as a leader in the field of ion exchange and chromatography; his inventions of tracer-pulse chromatography and ligand-exchange separations and, particularly, for his development of the coherence concept for multicomponent dynamic systems. He holds seven patents related to this work.

He has received many awards in recognition of his achievements, including the American Chemical Society Award in Separation Science and Technology, an American Chemical Society Certificate of Merit and a recognition plaque from the Society of Chemical Industry of London.

A gifted teacher and adviser, Dr. Helfferich won College of Engineering Teaching, Research, and Advising Awards; the AT&T Foundation Award for Excellence in Instruction of Engineering Students, presented by the American Society for Engineering Education, and an Outstanding Student Chapter Counselor Award from the American Institute of Chemical Engineers.

He was a senior staff research chemist with the Shell Development Company for 21 years prior to coming to Penn State. He also served as a visiting professor and lecturer at the University of Texas, Austin, the University of Houston, Rice University, Houston, the University of California, Berkeley, and the East China University of Chemical Engineering.

Dr. Helfferich is working on an NSF-funded research project and continues to teach graduate-level and continuing education courses. He also has plans to write two books.

William J. McHale, associate dean for resident instruction in the College of Arts and Architecture, has retired after 31 years service.

Dr. McHale began his career at Penn State in 1957 as an instructor in home art in the College of Home Economics. In 1962 he served as an arts specialist in cooperative extension for the College of Architecture. He was named associate professor and chairman of family housing and home art for the College of Home Economics in 1964. He was named associate dean for the College of Arts and Architecture in 1969.

While at Penn State, he taught courses in design, drawing, crafts, ceramics and housing. He was the chairman of majors in family housing, home art and general arts.

Dr. McHale holds a bachelor of science in art education from Kutztown State College, a master of education in art education from Penn State and a doctor of education in art education with an art minor, also from Penn State.

He and his wife, Anne, live in State College and plan to do some traveling during retirement.

Robert P. Murphy, who served as business manager at both DuBois and Ogontz campuses, has retired with more than 25 years service.

Mr. Murphy earned a B.S. in business administration from Penn State in 1958, then served in the U.S. Air Force and worked in industry. He began employment at DuBois in 1966, where he was in charge of physical plant and operations, budgets, accounting and veterans affairs.

In 1979 he moved to the Ogontz Campus, and assumed management of about 60 clerical and technical service staff employees. His areas of responsibility included the bookstore, the cafeteria, the mail service and the safety/security office, as well as maintenance and operations. While at Ogontz he reversed a trend of physical deterioration, and advanced the beautification of the campus grounds.

With the recent acquisition of the Thomas Hallowell estate, his duties expanded to include supervision of its grounds and buildings.

Mr. Murphy, who now lives in Quentin, near Harrisburg, plans to continue his interests in antiques, furniture refinishing, fishing, hunting and camping.

Eddy L. Dalby, electrical and mechanical inspector in the Office of Physical Plant, has retired after 30 years of service.

Mr. Dalby worked as an electrician for the University prior to his job as an inspector. During retirement, he plans to spend most of his time in his wood-working shop at his home in Milroy.

Aloysious J. Hemess, maintenance worker utility, Hazleton Campus, from Dec. 6, 1976, until June 30.

Donald L. Mincemoyer, assistant professor of agricultural education and agricultural engineering, Agriculture, from March 1, 1978, until June 30.

William J. Mitchell, professor of mathematics, Science, from Sept. 1, 1979, until May 16.

Lamar L. Shaw, janitorial worker at Schuylkill Campus, from Sept. 1, 1977, until June 30.

David N. Allen, assistant professor of business administration, Business Administration, from July 1, 1981, until July 1.

Katherine N. Brown, secretary C, Research and Graduate School, from Sept. 20, 1979, until July 1.

Frances M. Hager, nutrition advisor, Agriculture, from July 1, 1977, until July 1.

Joan D. Mandle, associate professor of sociology, Delaware County Campus, from Sept. 1, 1976, until July 1.

Suree A. Moskowitz, assistant professor of psychology, Ogontz Campus, from Jan. 1, 1972, until July 1.

Lawrence C. Wolfe, associate professor of architecture, Arts and Architecture, from Sept. 1, 1981, until July 1.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are **not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 432-0304).** Applications for these staff vacancies will be accepted until 5 p.m., **Thursday, October 10. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01831. Fitness Program Coordinator, Intercollegiate Athletics, University Park Campus -- Responsible for carrying out the day-to-day operation of a comprehensive fitness activity program for students, faculty and staff. Requires bachelor's degree, or equivalent, in exercise science, physical education, or related field plus one to two years of effective experience in organizing and administering fitness activities. American College Sports Medicine certification is preferred. This is a fixed-term position funded through July 31, 1992. STAFF GRADE 6.

■01832. Executive Programs Marketing Manager, The Smeal College of Business Administration, Executive Programs, University Park Campus -- Responsible to the director, Executive Programs, for developing, designing, organizing, and administering conferences and other educational programs and services for clientele enrolled in Executive Programs and for developing, directing, and implementing marketing plans and programs for Executive Programs. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in marketing and/or conference management. A master's degree is preferred. This is a fixed-term, twelve-month, position funded through June 30, 1992, with very good possibility of re-funding. STAFF GRADE 7.

■01833. Affirmative Action Specialist, Academic Services, Affirmative Action Office, University Park Campus -- Responsible to the Affirmative Action director for providing University-wide educational programming, conducting routine investigations of discrimination, and monitoring of personnel activities for compliance with federal, state and University requirements. Requires bachelor's degree, or equivalent, plus one to two years of effective experience in the social sciences, human relations or related fields. Effective verbal and written communication skills, demonstrated evidence of problem solving ability and effective interpersonal relations. Familiarity with investigative techniques and knowledge of affirmative action/equal opportunity laws and policies preferred. STAFF GRADE 6.

■01834. Instructional Services Assistant, Ogontz Campus, Academic Affairs -- Responsible to the senior instructional services specialist for providing instructional services support for campus programs, with particular emphasis on evening programs. Requires associate degree, or equivalent, in instructional media or related field plus one to two years of effective experience. STAFF GRADE 5.

■01835. Area Representative, Commonwealth Educational System, Continuing Education, New Kensington Campus -- Responsible to the director, Continuing Education, for the functions of client management development, organization, operations and administration of Continuing Education programs and services and for linking University resources with community needs within the assigned geographic district. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry or education. This is a fixed-term position funded through June 30, 1992, with possibility of re-funding. STAFF GRADE 7.

■01836. Systems Analyst, Computer and Information Systems, Office of Telecommunications, University Park Campus -- Responsible to the senior analyst for providing support to the Office of Telecommunications for the design, development and implementation of innovative data processing systems. Assist in the interaction with staff to define problem areas and devise solutions that achieve the desired results. Analyze and solve problems with existing systems and programs. Requires bachelor's degree, or equivalent, in a computer related field plus two to four years of effective experience in computer programming and systems design to include database management systems. STAFF GRADE 7.

■01837. Senior Systems Programmer, Eberly College of Science, Computer Science, University Park Campus -- Responsible to lab director for installation of software/hardware systems. Maintain operating system and network environments. Develop new techniques and improvements as requested by research faculty; design modifications; train and direct graduate assistants. Requires bachelor's degree, or equivalent, in computer science, plus two to four years effective experience in systems programming. Knowledge of software systems concepts and techniques; capability to independently solve software systems problems. Experience with UNIX using C programming language and networking. STAFF GRADE 7.

■01844. Assistant to the Associate Provost and Dean of Faculty, Associate Provost and Dean of Faculty, Penn State Harrisburg -- Responsible to the associate provost and dean of faculty for the overall effective and efficient operation of the Office to include liaison with academic and administrative departments, central administration, and the President's Office. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in office, program and project management. A master's degree is preferred. Excellent verbal and written communication and interpersonal skills and computing skills are essential. Knowledge of higher education administrative and operating procedures preferred. STAFF GRADE 7.

■01838. Junior Engineering Aide, Applied Research Laboratory, University Park Campus -- Responsible to the project engineer or designated senior engineering aide for assistance in the fabrication, testing, installation, operation, and maintenance of non-standard electronic or mechanical parts, components, and equipment. Requires associate degree, or equivalent, in electrical or mechanical engineering technology program, and more than three months of effective experience. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required. STAFF GRADE 3.

■01839. Engineering Aide, Applied Research Laboratory, University Park Campus -- Responsible to the project engineer or senior engineering aide for the layout, design, fabrication, and construction of standard electronic or mechanical components and equipment. Assist in conducting tests and with the collection, compilation and analysis of test data. Requires associate degree, or equivalent, plus two to four years of effective experience in the design and fabrication or experimental equipment. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required. STAFF GRADE 5.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey hot line at (717) 531-8531 by **October 10.**

■11013, Clinical Nurse Specialist - CT Surgery, Department of Nursing Administration -- Responsible to the director of nursing and/or assistant director of nursing for providing nursing expertise within his/her clinical specialty. Serves as consultant, collaborator, educator, clinician, researcher and change agent for specialty area. Functions in inpatient, outpatient and/or community settings. Requires a master's degree in nursing plus 1-2 years of effective clinical experience in area of expertise, and current licensure of Pennsylvania State Board of Nursing. Certification in specialty area is desirable. STAFF EXEMPT, GRADE 7.

■10018, Manager, Physical Therapy Services -- Responsible to the assistant director, Inpatient Operations, for the administrative, advisory, and professional duties in supervising and directing the services of the Physical Therapy Department. Requires a bachelor's degree in physical therapy plus 4-7 years of effective experience and Pennsylvania licensure to practice physical therapy. STAFF EXEMPT, 8.

■17661, Operations Center Coordinator, Department of Physical Plant -- Responsible to the assistant director, Physical Plant, Utilities and Energy, for monitoring, adjustment and change functions for the automatic temperature control systems; serve as Department of Physical Plant representative at night. Requires a high school education plus training in air conditioning, heating and ventilating equipment, and pneumatic and electronic temperature controls. No less than 2-3 years effective experience. Experience in a supervisory capacity highly desirable. STAFF NONEXEMPT 5.

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William E. Campbell Jr., Editor
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Kathy Garman, Calendar

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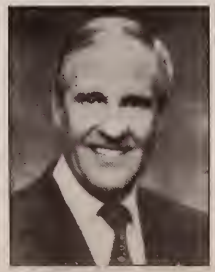
Two graduates named Alumni Fellows in Engineering

L. Robert Kimball, a Pennsylvania entrepreneur, and **Albertus D. Welliver**, a corporate executive, have been named Alumni Fellows of the College of Engineering. They will be at University Park Oct. 16-20.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as life- long.

Mr. Kimball is president of L. Robert Kimball and Associates, one of the largest employers and fastest growing firms in west central Pennsylvania. The company employs more than 500 administrative, technical and professional personnel at its Ebensburg headquarters, nine regional offices and project field offices throughout the Eastern United States. In 1990, the firm reported sales of more than $26 million, the highest in its history.

After interrupting his studies to serve with the U.S. Army Air Corps in Europe, Kimball received his civil



Albertus D. Welliver

engineering degree at Penn State in 1947. After graduation, he joined the Pennsylvania Department of Health in Harrisburg as assistant district engineer. In 1953, he founded a one-man consulting firm which became the

L. Robert Kimball

Kimball Group of Companies constituting one of the largest privately-owned, full-service architectural/engineering firms in the country.

Mr. Kimball served as a member of the College of Engineering Industrial and Professional Advisory Council and as an elected member of the Penn State Alumni Council. He was named a Penn State Distinguished Alumnus in 1987, a Penn State Outstanding Engineering Alumnus in 1984 and is a charter member of the Mt. Nittany Society.

Mr. Welliver is corporate senior vice president of the Boeing Company, the world's leading aviation and space manufacturer, where he oversees all critical, high-level engineering and technology development activities. Known for the development and integration of advanced systems and processes into large- scale aircraft programs, he worked on the development of the Boeing 747 propulsion systems installation as well as the CX, SST, supersonic tactical aircraft, and other programs.

A 1956 graduate of Penn State with a degree in mechanical engineering, he joined the research division of the Curtiss-Wright Corporation and was

See 'Fellows' on Page 3

Senior level administrative changes are announced

President Thomas has announced the elimination of the position of vice president and vice provost at the University. The position was held by **Robert E. Dunham**, who assumed the position of senior vice president and dean for the Commonwealth Educational System on Oct. 1.

"I am able to move in this direction because of the careful planning and organization put forward by Executive Vice President and Provost **John Brighton**," Dr. Thomas said. "He and his staff have worked hard to realign and take on additional responsibilities in order to accomplish this administrative streamlining."

The realignments principally will affect Vice Provosts **Grace Hampton**, **C. Gregory Knight**, and **James B. Stewart**, the three vice provosts currently reporting to the provost. Also affected will be Dr. Dunham, who as vice president and vice provost reported jointly to the president and executive vice president and provost, and Vice President for Administration **Carol Herrmann**, who reports to the president.

"Essentially, the realignment of responsibilities leaves me short one administrative position," Dr. Brighton said. "In the current economic environment in Pennsylvania, Dr. Thomas and I thought we should make every effort to eliminate this position if possible. We have done this in a way that we believe will maintain the required level of service to the University community with this streamlining in the organization."

Dr. Brighton noted the following changes:

Effective immediately, the office of Dr. Knight, vice provost and dean for undergraduate education, will assume administrative responsibility for several areas formerly administered by Dr. Dunham. These include the Office of Student Aid, University Testing Services, ROTC, and the University Registrar. To help support this realignment, the position of Associate Vice President **Eugene Melander**, who formerly reported to Dr. Dunham, will be retitled associate vice provost for academic services and placed in the Office of the Vice Provost and Dean for Undergraduate Education.

Associate Dean for Undergraduate Education **Jack P. Royer**, who currently reports to Dr. Knight for academic matters relative to the Commonwealth Educational System, will report to Dr. Dunham. This will place administrative responsibility for matters relative to CES academic support, promotion and tenure, and faculty evaluation, among others, with the senior vice president and dean.

Vice Provost Hampton will be assigned additional responsibilities in the areas of faculty personnel issues, the University promotion and tenure process, executive searches, administrative reviews, liaison with the Office of Human Resources, and coordination of Penn State involvement in the Committee for Institutional Cooperation. Dr. Hampton also will direct new initiatives for professional development of faculty and academic administrators.

Vice Provost Stewart will be assigned administrative responsibility for the University Summer Sessions, for Disability Services, Veterans Programs, and the Multicultural Resource Center Dr. Stewart will continue his administrative responsibilities on behalf of underrepresented groups Universitywide.

Vice President Herrmann will assume administrative responsibility for the Affirmative Action Office.

"At a time when we must look to ourselves for leadership in the area of affirmative action, it is important to keep administrative responsibility for the University's affirmative action program close to the Office of the President," Dr. Brighton said. "Mrs. Herrmann is ideally positioned to do this for the president and me."

Dr. Brighton noted that he has asked all administrators with new responsibilities to meet with staff of affected units to ensure smooth transition.

"We recognize that change brings challenges," he said. "And we appreciate the extra effort being put forward by many people to accommodate both."

Focus on Diversity

Coping strategies will be focus of workshop series

Developing coping strategies for working in a predominantly White environment, will be the focus of the first workshop series offered by the University's newly established Center for Minority Staff Development (CMSD.

Beginning Oct. 17, the center will offer 90- minute courses each month through May 1992. The courses will be scheduled through the Human Resource Development Center at University Park and are free to any University employee.

"We realize that the dynamics of the work environment which relate to employee expectations and performance, stress, and the level of scrutiny within an organization may be increased if you are not a member of the majority group," James W. Locker, interim senior mentor, said. "The goal of these workshops is to address those concerns."

For example, Mr. Locker noted, part of the workshops entail use of a training film titled, "A Tale of O," which explores in a very dynamic manner the consequences of being different in an organization or setting.

But overall, the workshops will center on the sharing of experiences, strategies, skills, and coping mechanisms used by ethnic minority staff who have maintained their cultural identity and values, and have achieved a level of success at Penn State.

Speakers will include **W. Terrell Jones, Vicki Fong, Lydia Abdullah, Beverly Ladrido, Forest Wortham, Anita Helton, Cynthia King,** Mr. Locker and more.

"We have made great strides in becoming more ethnically, culturally, and racially diverse at Penn State. Consequently, we want to emphasize that the course is offered to anyone because we recognize that many non-minorities want to learn and understand the daily trials and tribulations that people from underrepresented groups experience in a predominantly mono-cultural environment," Ms. King, a special consultant to the CMSD, said.

The Oct. 17 workshop is scheduled for 3:30 to 5 p.m. in 319 Rider Building. Future workshops are scheduled for the same time and location on Nov. 14, Dec. 12, Jan. 9, Feb. 13, March 19, April 9, and May 14.

Interested participants may register for one, more than one, or all sessions by calling 865-3410.

One of the first of its kind in the nation, the Center for Minority Staff Development was established earlier this year by the Office of Human Resources. It is organized specifically to help minority non- academic University staff foster professional development and acquire coping strategies for working and living in a predominately White environment.

AIDS project director to give workshop

Dazon Dixon, executive director of SISTERLOVE: Women's AIDS Project, Atlanta, Ga., will speak at 7 p.m. Friday, Oct. 11, in the Paul Robeson Cultural Center at University Park.

She will present a Healthy Love Party, which she describes as a "safer sex education workshop designed to make women of color feel comfortable and unjudged as they learn about HIV/ AIDS prevention, safer sex techniques, and self-help for power to change risky behavior."

The party, which is free to the public, is a participatory forum which provides factual information concerning HIV/ AIDS prevention, modes of transmission, and assessing personal risk. While the emphasis will be on women, men also are invited to attend.

From 11 a.m. to 3 p.m., Saturday, Oct. 12, in the Robeson Center, Ms. Dixon will conduct facilitator training for women of color who wish to learn how to conduct a Healthy Love Party.

Her visit is sponsored by the WomanCare and "S" Plan (Support, Survival and Success for African-American first-year students) projects with EPOC funding, and the Office of Health Promotion and Education, University Health Services. For more information, contact Elaine Jurs at 863-0461.

Diversity Opportunities Calendar

Friday, Oct. 11
Office of Health Promotion and Education, University Health Services, 7 p.m. to 9 p.m., Paul Robeson Cultural Center. Presentation titled, "Healthy Love Party," about safe sex techniques by Dazon Dixon, executive director of SISTERLOVE: Women's AIDS Project, of Atlanta.

Saturday, Oct. 12
University Resident Theatre Company, 2 p.m. and 8 p.m., Playhouse Theatre. Controversial play "God's Country," followed by discussion by Stephen Dietz, author of the play about the White supremacist movement in the United States. For more information, call 863-0381.

Center for the Performing Arts, 5 p.m. and 8 p.m., Eisenhower Auditorium. Performance by singer and pianist Ray Charles.

Tuesday, Oct. 15
Institute for the Arts and Humanistic Studies and the Department of Art History, 8 p.m., 112 Walker Building. Native American Indian presentation titled, "Cooper, Cole and the Last of the Mohicans," by W. Jackson Rushing of the University of St. Louis.

Wednesday, Oct. 16
Groove Phi Groove, 6:30 p.m. Paul Robeson Cultural Center. Films titled, "Bill Cosby on Prejudice" and "I'm Not Prejudice, but...Korean Merchants in Black Neighborhoods."

Associate, assistant chairs are appointed for United Way

Associate and assistant chairs have been appointed for the United Way campaign at University Park. They are:

Academic Services, **Robert E. Dunham, Gloria D. Briggs**; College of Agriculture, **Lamartine F. Hood, Robert W. Sams**; College of Arts and Architecture, **James J. Moeser, James Stephenson**; Athletics, **W. Herbert Schmidt, Linda J. Woodring**; Smeal College of Business Administration, **J.D. Hammond, Trudy A. Smith**; Business and Operations, **James M. Wagner, Dale M. Roth.**

Commonwealth Educational System, **Robert E. Dunham, Kenneth E. Varcoe**; Continuing Education, **James H. Ryan, John C. Marshall**; School of Communications, **Brian N. Winston, Christine Templeton**; Computer and Information Systems, **J. Gary Augustson, Paul J. Peworchik**; Development and University Relations, **G. David Gearhart, Janice F. Oakes**; College of Earth and Mineral Sciences, **John A. Dutton, Everett P. Tiffany.**

College of Education, **Rodney J. Reed, A.J. Grill**; College of Engineering, **Carl W. Wolgemuth, George J. McMurtry**; Finance, **Kenneth S. Babe, Angela B. Janey**; Budget and Resource Analysis, **P. Richard Althouse, Mary Jane Fisher**; College of Health and Human Development, **Anne C. Petersen, Ginny Newman**; College of the Liberal Arts, **Susan Welch, James A. Winck.**

Research and the Graduate School, **Charles L. Hosler, Kenneth J. Yost**: President's Office, **Carol Herrmann, Sharon E. Becker**; College of Science, **Gregory L. Geoffroy, Henry W. McCoullum**; Student Services, **William W. Asbury, Sara W. Alterio**; Undergraduate Education, **C. Gregory Knight, Rebecca A. Young**; University Libraries, **Nancy M. Cline, Cynthia R. Dettmer.**

Five get endowed fellowships

Five faculty members in the College of Liberal Arts have received 1991-92 Faculty Endowed Fellowships in the Humanities. The fellowships include release time from teaching and other departmental duties for one academic semester in order to work on a research project on a full-time basis.

Ying-Ying Chien, assistant professor of comparative literature and women's studies, has received the Helena Rubinstein Endowed Fellowship. He plans to write a book-length manuscript focusing on the emergence of a new literary persona based on the reaction of major Chinese writers to Western feminism and the changing role of women in modern Chinese society.

Daniel W. Conway, assistant professor of philosophy, has received the William J. and Charlotte K. Duddy Endowed Fellowship. His work will focus on an explanation and defense of Nietzsche's constructive contribution to moral philosophy. The culmination of this research will be a book-length manuscript.

Carla J. Mulford, assistant professor of English, has received the Melvin and Rosalind Jacobs Endowed Fellowship. Dr. Mulford will be working on her fourth book, *Benjamin Franklin and the Discourse of Empire: The Writings on Native Americans*

Laurence E. Prescott, associate professor of Spanish and African-American studies, has received the Dorothy W. Gilpatrick Endowed Fellowship. He will continue writing a book-length manuscript on the works of Jorge Artel, a Colombian poet who explores the dimensions of his African heritage and reevaluates the experience of slavery.

Monique Yaari, associate professor of French, has received the Josephine Berry Weiss Endowed Fellowship. Dr. Yaari will spend the fellowship period in France to complete a book- length study on the manifestations of irony in the context of modernism, postmodernism and poststructuralism.

Women's group celebrating 10th anniversary

Kicking off their 10th anniversary celebration with a day-long workshop Oct. 2, members of the Commission for Women were urged to do more to further the leadership roles of females at Penn State.

During the Second Annual Campus Liaison Committee Workshop held at the Hershey Medical Center, Mimi Coppersmith Fredman, president of the Board of Trustees, told the more than 70 women who attended to be proud of their accomplishments over the past 10 years, but to look to the future.

"Women have to be learned and courageous to get ahead in a world whose leadership is still largely in the hands of men," Ms. Fredman said. "Our campuses afford us a perfect environment for the development of female leadership. But the toughest obstacle to face will be attitude."

Ms. Fredman noted that the Commission for Women was the catalyst behind several initiatives at Penn State, including a comprehensive study of the status of women at the University; the founding of day care centers at both Hershey Medical Center and University Park; the reclassification of clerical and staff positions; the implementation of the Administrative Fellows Program for Women and Minorities, and the inclusion of routine mammograms in the health care package.

As the first women and Jew to be appointed to the Board of Trustees, Ms. Fredman said she faced several obstacles in her rise to the top but now finds satisfaction in knowing she can help make a difference in the lives of both men and women.

To aid other women in raising their status at Penn State, Ms. Fredman suggested the commission implement a formalized mentoring system for women to help move them up the career ladder and provide support.

"Women must always work harder than men to get to the top," she added. "Change takes a long time."

The Board of Trustees president urged the group to set high goals for the coming year and to strive to achieve them. She also pointed out that although the administration at Penn State is dominated by males, the recent changes in University leadership are encouraging for women.

The commission, established in 1981 to serve as an advisory group to the President on issues affecting women and to guide the University in its efforts to improve the status of women at Penn State, will continue its 10-year anniversary celebration throughout the year with workshops, seminars and renowned speakers.

Alumni Fellow is scheduled to visit

William Christ

William Christ, president of Hershey International, will receive a 1991 Penn State Alumni Fellow award and will be honored at a special reception Oct. 16 in the Student Center of the Capital Union Building at Penn State Harrisburg.

The title of Alumni Fellow is one of the highest honors that the University bestows upon its graduates.

After the reception, Mr. Christ will speak at a panel discussion on the "Changing International Marketplace: The Competition among Emerging World Trade Zones."

Mr. Christ joined Hershey Foods Corporation in 1969 as a systems analyst and held various administrative positions in the company, including budget director in 1974 and director of corporate development in 1977.

He became vice president of finance and administration of Hershey International in 1979 and was named vice president and general manager of Latin American and European Operations in 1984. In 1985, he was named vice president of finance and administration of Hershey Chocolate U.S.A., and he moved into his current position as president of Hershey International in 1988.

Mr. Christ graduated with a master's degree in administration from Penn State Harrisburg in 1973. Before attending Penn State, he received his bachelor's degree in business administration from the Virginia Polytechnic Institute and State University in 1962. He also attended the International Management Institute in Geneva in 1980 and 1981.

He was a systems analyst for the Department of Navy and served as a captain in the U.S. Air Force from 1963-1967.

College of Engineering gets NSF grant

The College of Engineering has received a $825,000 National Science Foundation grant for the renovation and modernization of Fenske Laboratory housed in the Department of Chemical Engineering. The University will provide $1,192,500 in matching funds.

Co-principal investigators are **George J. McMurtry**, associate dean for administration and planning, and **J. Larry Duda**, professor and head of Chemical Engineering.

Penn State was one of 78 universities and non-profit institutions nationwide to receive the grant. NSF has awarded $39 million under the Congress-mandated Academic Research Facilities Modernization Program, which is designed to modernize scientific and engineering research and research training facilities throughout the country.

The Department of Chemical Engineering ranks among the largest in the country in research and graduates the largest number of chemical engineers, according to Dr. Duda.

"The planned renovations are essential if we are to remain competitive in chemical engineering research," he said. "A state-of-the-art facility will not only make for more effective research, it will help recruit and retain faculty and graduate student researchers."

The modernization will provide proper conditions for computers and sensitive instruments as well as bring the laboratory up to current building codes. The planned construction will upgrade heating and air- conditioning, install proper ventilation, lighting and electrical circuits, provide handicapped access, install a computer network and refurbish laboratories and offices.

Fenske Laboratory was built in 1958-60 and was last modernized when a wing was added in 1968. Construction is slated to begin in October. The three-phase renovation will be completed September 1992. Architectural engineers for the project are NuTec Design Associates Inc. of York. The general contractor is L.C. Anderson and Sons of Huntingdon.

Smeal College cited

The Smeal College of Business Administration was ranked the third best business school in the world in a recent survey conducted by an Australian researcher.

In a report appearing in The Bulletin, Australia's leading weekly news magazine (circulation 115,000), Penn State also was among the leaders in separate rankings of faculty quality and range of courses offered.

The study was conducted by Hazel Suchard, head of business at Australian Catholic University in New South Wales, who gauged business schools in the United States, Europe, Australia and New Zealand.

Conducting the ranking for the second time, Ms. Suchard surveyed the top 25 American business schools (as identified by U.S. News and World Report), 11 European business schools and 17 institutions in Australia and New Zealand that offer the MBA degree.

Michigan University topped the rankings overall, followed by Cornell and the Smeal College. The Smeal College was third worldwide (tied with Columbia University) in faculty quality.

Conference will focus on Berlin Wall

The far-reaching consequences of the Berlin Wall and its opening have on the peoples of Germany and Europe will be the subject of an international conference Oct. 10-12 at University Park.

The conference, titled "The Wall: Reality and Symbol," will spotlight various facets of the intellectual, literary and artistic life of the Germanys to address the broader question of what it means to a nation-separated and then to overcome obstacles and reunite.

While the history of Germany is once again a focal point of Europe, the problems symbolized by the Wall are by no means unique to that country, according to **Manfred E. Keune**, associate professor of German, and one of the three conference organizers. Other organizers are **Ernst Schurer**, professor of German, and **R. Philip Jenkins**, professor of criminal justice.

West German author Peter Schneider, who wrote *Der Mauerspringer*, a novel about a "wall-jumper," will be the featured speaker. Other sessions will deal with the Wall in the arts, music and literature; problems of unification; the Wall in popular culture.

For information on conference registration, contact Norman Lathbury, 410 Keller Conference Center, University Park; phone (814) 863-6106.

Fellows

Continued from Page 1

hired by Boeing in 1962, where he advanced through various engineering management positions.

Mr. Wellver advises a variety of institutions, including Stanford University and the Massachusetts Institute of Technology. At Penn State, he serves on the College of Engineering Industrial and Professional Advisory Council and the Advisory Committee for the National Science Foundation Coalition of Schools for Excellence in Education and Leadership (ECSEL). In 1987, he was named a Penn State Outstanding Engineering Alumnus.

Obituary

Karl H. Ruediger, maintenance foreman, New Kensington Campus, from Feb. 14, 1968, until his retirement Sept. 1, 1983, died Aug. 29. He was 77.

Awards

Three receive Distinguished Service Award

Robert D. Chapman, Mary McCammon and **Robert C. Meyer** have been honored with Distinguished Service Awards from the Eberly College of Science Alumni Society.

Established in 1979, the Distinguished Service Award is presented annually to prominent alumni, faculty, or staff members who have given exceptional service to the college or alumni society.

Dr. Chapman, who is currently senior technical advisor at Bendix Field Engineering Corporation, was honored "for his contributions of time, talents, and leadership; for his many years of loyal service on the Board of Directors of the Eberly College of Science Alumni Society; and for excellence in his professional career."

A 1959 Penn State alumnus with a bachelor's degree in physics, he earned his doctoral degree in astronomy at Harvard University in 1964.

Dr. McCammon, associate professor of mathematics, was honored "for her 37 years of loyal service and devotion to the Eberly College of Science and its students; for her inspiring teaching and advising and for her many years of dedication to the Student Awards Program of the Eberly College of Science Alumni Society."

A native of England, she earned her bachelor's, master's, and doctoral degrees at the University of London. Prior to joining the Penn State faculty as an assistant professor of mathematics in 1954, she was a research associate at the Massachusetts Institute of Technology.

Mr. Meyer, assistant to the dean for restricted funds, was honored "for his many years of dedication to the Eberly College of Science, and for his knowledge and professionalism which has had a critical impact in attracting and maintaining financial support for research programs within the College."

A 1966 Penn State alumnus with a bachelor's degree in accounting, he joined the Eberly College of Science staff as an administrative aide in 1967. He was a financial assistant from 1972 to 1973, coordinator of restricted funds from 1973 to 1978, and coordinator of facilities and restricted funds from 1978 to 1982.

Math professor earns Career Advancement Award

M. Carme Calderer, associate professor of mathematics in the Eberly College of Science, has received a Career Advancement Award from the National Science Foundation (NSF).

The award, which provides a maximum of $50,000 over a 12-month period and up to $10,000 for equipment, is designed to support activities that expand the recipients current mathematical sciences research career.

A specialist in continuum mechanics and mathematical analysis, Dr. Calderer is interested in establishing and analyzing models that occur in continuum physics. Her current research, which involves nonlinear elasticity and liquid crystals, also is being supported by an NSF group grant in the Mathematics Department.

Dr. Calderer, who joined the University faculty in 1989, earned her bachelor's degree at the University of Barcelona, Barcelona, Spain, and her doctoral degree at Heriot-Watt University, Edinburgh, Scotland.

She is a member of the Society for Industrial and Applied Mathematics, the American Mathematical Society, the American Academy of Mechanics, and the Society for Natural Philosophy.

Senior v.p. named Fulbright Fellow

G. David Gearhart, senior vice president for development and University relations, has been awarded a 1991/92 Fulbright Fellowship for academic administrators.

G. David Gearhart

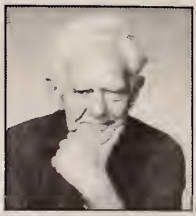
Dr. Gearhart will use his Fulbright to support study at Oxford University's Merton College in the summer of 1992. He will devise a post-campaign fundraising plan that addresses the relationship between Merton College and Oxford University, which is conducting the largest major gifts campaign in British higher education. His study also will address Merton's future fundraising activities.

The Fulbright Fellowship program for U. S. academic administrators makes only three such awards annually, each to be served at universities in the United Kingdom.

Dr. Gearhart has been at Penn State since 1985. He administers the Division of Development and University Relations, which carries out the fund raising, public relations and alumni relations for the university.

He holds a law degree and a doctorate in higher education from the University of Arkansas at Fayetteville. He holds a bachelor's degree from Westminster College in Fulton, Mo., which this year presented him its distinguished alumnus award.

President of Portugal bestows honor on emeritus language professor


Gerald M. Moser

Gerald M. Moser, professor emeritus of romance languages, has received the award of "Great Officer of Prince Henry the Navigator" from the president of Portugal.

He was honored for "outstanding services rendered to Portugal, at home and abroad by spreading knowledge of Portuguese culture, history and values." He was one of two foreigners among the 70 people publicly honored in the ancient town of Tomar on the national holiday.

Dr. Moser joined the Penn State faculty in 1949 and established a program in Luso-Brazillian studies. Considered a pioneer in this area of literature, he has brought noted critics and creative writers to campus and has published widely in the field.

His research has been supported by grants from the American Council of Learned Societies, the American Philosophical Society and the Instituto para a Alta Cultura in Lisbon. In addition, he has been a Fellow-in-Residence at Chicago's Newberry Library and a Senior Fulbright Fellow in Portugal.

National society recognizes Evan Pugh professor

Harry R. Allcock, Evan Pugh professor of chemistry in the Eberly College of Science, has been honored with the 1992 American Chemical Society National Award in the Chemistry of Materials.

The award, sponsored by Du Pont, recognizes Dr. Allcock's pioneering work on the design and synthesis of advanced materials that combine the properties of polymers with those of metals, ceramics and optical or electronic materials. A number of materials prepared by his research group are currently being used in aerospace technology and many are being developed for use in biology, medicine, and energy storage devices.

Dr. Allcock joined the Penn State faculty in 1966 and was appointed Evan Pugh professor of chemistry in 1985. He received the American Chemical Society National Award in Polymer Chemistry in 1984, was a Guggenheim Fellow from 1986 to 1987, and was honored with the Chemical Pioneer Award of the American Institute of Chemists in 1990.

The author of two books and the co-author of two additional volumes, he is on the editorial advisory boards of five scientific journals, and he and his research group have published more than 250 papers.

Awards

Continuing Education receives five awards

Penn State Continuing Education won five major awards at the annual National University Continuing Education Association Region II meeting, Washington, D.C.

The awards were for the development of several credit and noncredit programs helping students prepare for college, assisting business and industry, and providing support for independent learning students.

Penn State winners included:

— **Janet Patterson**, director of continuing education, and **Allen Pulsifer**, head of the Division of Science Engineering and Technology, at Penn State Erie, the Behrend College, for the development of a mechanical engineering technology apprentice program for General Electric's Transportation Systems Division, Erie.

— **Beth Gill-MacDonald**, professional development coordinator for continuing education at the York Campus, for development of the credit program on the condition known as attention deficit/hyperactivity disorder (ADHD) in children.

— **William Lee Smallwood**, area representative at the York Campus, an honorable mention for a pre-college academic prep program that begins in the seventh grade and provides minority students with six years of specialized and supplemental activities in mathematics, science and communications.

— **Cheryl M. Kaplan**, area representative at the Ogontz Campus, an honorable mention for a program titled Math Options, which introduced seventh grade girls in the Ogontz Campus area to mathematics and science career options.

— **Leonard E. Pollack**, instructional designer in Planning Studies, an honorable mention for innovation for the production of program support materials for distance learners and instructors.

Professors cited for research endeavors, contributions

● **Richard B. Alley**, assistant professor of geosciences, has been awarded the David and Lucile Packard Foundation Fellowship in Science and Engineering for 1991.

The Packard Award provides a total of $500,000 in research support over a period of five years. This is the second Packard Fellowship to be won by University faculty members. Alley and Dr. **Susan L. Brantley**, who received the award in 1988, are members of the Department of Geosciences in the College of Earth and Mineral Sciences.

Dr. Alley, a glaciologist, also holds an appointment with the Earth System Science Center. He was awarded as a Presidential Young Investigator in 1990. His research focuses primarily on ice sheet processes and the identification and interpretation of glacial signals of past and present global climate change.

He is a member of the Siple Coast Project in Antarctica and the Greenland Ice Sheet Project II, and for several years has been involved in working groups advising the National Science Foundation and NASA on aspects of Antarctic and Arctic glaciology.

● **David S. Gilmour**, assistant professor of molecular and cell biology, has won the American Cancer Society Junior Faculty Award and the Basil O'Connor Starter Scholar Research Award.

The Junior Faculty Award, which provides $90,500 over a three-year period, supports promising cancer-related research of new scientists. The Starter Scholar Research Award, sponsored by the March of Dimes Birth Defects Foundation, is a two-year award that supports research that may lead to the elimination of birth defects.

Dr. Gilmour, whose research involves chromatin structure and the regulation of gene expression, joined the University faculty in 1989.

● **Eugene R. Slaski**, academic officer and associate professor of history at the Penn State Allentown Campus, has received the 1990-91 Student Appreciation and Recognition Award (SARA)

The annual award is presented by the student body to the faculty or staff member who has devoted extra time and energy to the benefit of student endeavors.

Dr. Slaski is a three-time recipient of the award.

ARL honored for Navy developments

The chief of naval research has honored the Applied Research Laboratory for its outstanding contributions to the Navy's Exploratory Development Program through advancements in signal processing and guidance and control techniques.

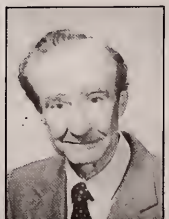
Philip Selwyn, director of the Office of Naval Technology, presented the prestigious "Top Accomplishment Award" to **L. Raymond Hettche**, ARL director, and certificates of commendation to the Guidance and Control Department, headed by **Frank Symons**, and the Systems Engineering Department, headed by **Charles Zentner**.

The Applied Research Laboratory is a Navy-sponsored research facility established in 1945 to advance the Navy's undersea technology base through research and development. The award acknowledges ARL's major technological advancements in developing and demonstrating advanced signal processing and guidance and control techniques.

L. Raymond Hettche

ARL also received the Top Accomplishment Award two years ago for developing new undersea technologies and conducting experiments under arctic ice during 1988.

25-year award recipients



Observing 25 years of service at the University are, from left, Charles Barger, utility worker, Nittany Lion Inn; Edward H. Klevans, head of the Department of Nuclear Engineering; Hubert C. Smith, assistant professor of aerospace engineering, and Geraldine D. Stonebraker, administrative aide, Dean's Office, all in the College of Engineering; Jere J. Willey, assistant to the associate vice president for budget and administration, Office of University Development.

Faculty/Staff Alerts

Holiday schedule

University offices and operations, except for essential services and operations, will close at the normal end-of-business times on Friday, Dec. 20, and will resume at normal starting times on Thursday, Jan. 2.

The official University holidays are Monday, Dec. 23, through Friday, Dec. 27; Monday, Dec. 30, and Wednesday, Jan. 1.

Tuesday, Dec. 31, is not a University holiday. Therefore, employees who are off that day will charge vacation or personal holiday, if Tuesday is a normally scheduled workday, except that any individual who chooses to work will be permitted to do so. In such instance, temperature conditions in the work area may be less than ideal.

This special holiday schedule will permit the University to realize the maximum in energy savings and provide a generally more desirable and efficient application of the time.

In keeping with this schedule, the Payroll Office has announced that biweekly and monthly paychecks will be released on Friday, Dec. 20, but will not be negotiable before their respective effective dates (biweekly paychecks will be dated Friday, Dec. 27; monthly paychecks will be dated Tuesday, Dec. 31). Automatic deposits will not be made early.

This schedule and payroll information is not applicable for the Milton S. Hershey Medical Center, since employees there earn service days in lieu of the extra December holidays.

Questions regarding the above holiday information should be directed to the appropriate college or department human resources representative, or director of business services at a facility away from University Park

Courses availablefor faculty and staff

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

Customer Service You'll join service experts Ken Blanchard, Gary Heil, and Richard Tate before a studio audience on a behind-the-scenes journey into private and public sector companies that are striving to provide legendary service internally and externally. This class meets for 3 half-day sessions; meets Tuesday, Oct. 22; Friday, Oct. 25, and Thursday, Oct. 31, from 8:30 a.m. to noon; cost: $75.

Employment Interviews Designed to provide practical training and pointers to individuals who are called upon to interview applicants for employment vacancies. Meets Wednesday, Oct. 23, or Tuesday, Nov. 19, from 9 to 11:30 a.m.; cost: none.

Plateauing Addresses concepts to develop individual professional skills, maintain motivation and foster creativity. Also discusses supervisory strategies for facilitating motivation and performance of faculty and staff experiencing career plateau. Meets Thursday, Oct. 24, from 9 a.m. to 4 p.m.; cost: $55.

Managing Cultural Diversity Practice decision-making related to cultural diversity, and challenge and develop your managerial skills. Meets on Monday, Oct. 28, from 9 a.m. to 4 p.m.; cost: none.

How to be More Productive under Pressure Examines the relationship between stress and job burnout and how to read the signals and symptoms of stress. Learn to handle pressure and develop a realistic individualized plan for better health and mental well-being. Meets Weds., Oct. 30 from 9 a.m. to 4 p.m.; cost: $55.

Basic English Grammar and Mechanics A refresher course focusing exclusively on basic principles of grammar and mechanics of writing. This class meets for 6 sessions. Meets Fridays, beginning Nov. 1 to Dec. 13, from 9:30 a.m. to noon; cost: $75.

November designated as change period for insurance plan

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from $10,000 to $300,000 and also provides accidental death and dismemberment coverage for dependents.

Each year one month is designated as the Annual Election Period when membership or coverage in the plan may be changed. One or more of the following actions may be taken during the Annual Election Period: change the dollar amount of insurance coverage; change from individual coverage to family coverage or vice versa; enroll in the plan as a new member, or withdraw from the plan.

To accomplish any of the above changes, obtain a VADD change form from your human resources representative or director of business service, complete it and send it to the Employee Benefits Division, 205 Rider Building, during the month-long election period. No action is needed to continue your current coverage.

Historically, this election period has been the month of October with an effective date of the action being Nov. 1. Beginning in 1992, the Annual Election Period will be the month of November with an effective date of the following Jan. 1. This change is being made in response to suggestions to establish common election periods and effective dates for various voluntary benefits.

During this transition year any VADD change form received in October will result in a coverage change effective Nov. 1. Any VADD change form received during the month of November, will result in a coverage change effective Jan. 1, 1992. The reference to the month of October on the VADD change form will be revised to reflect the new election period after the current supply of forms is exhausted.

Because of continued good experience in the plan, the following rates will remain in effect:

Employee Only

Principal Sum	Biweekly	Monthly
$10,000	$.14	$.30
$25,000	$.35	$.75
$50,000	$.69	$1.50
$100,000	$1.38	$3.00
$150,000	$2.08	$4.50
$200,000	$2.77	$6.00
$250,000	$3.46	$7.50
$300,000	$4.15	$9.00

Employee-Dependents

Principal Sum	Biweekly	Monthly
$10,000	$.23	$.49
$25,000	$.57	$1.23
$50,000	$1.13	$2.45
$100,000	$2.26	$4.90
$150,000	$3.39	$7.35
$200,000	$4.52	$9.80
$250,000	$5.65	$12.25
$300,000	$6.78	$14.70

Questions about VADD may be directed to Employee Benefits Division, 205 Rider Building, (814) 865-1473.

Second in series of wellness seminars to be held Oct. 24

"Alcohol and Drugs in The 90's" will be the focus of the Faculty/Staff Health Promotion program's second in a series of "Enlightening Lunches" brown-bag wellness seminars. The program will be held at noon Thursday, October 24, at the Paul Robeson Cultural Center at University Park.

The program will address current trends in drug usage among adults as well as the younger population. Descriptions of new drugs of the 90's and a discussion of current alcohol and drug information for parents, partners and employees will be included in this lively one-hour program.

To register for this program or to receive additional information, please contact the Faculty/Staff Health Promotion Office at (814) 865-3085. This program is jointly sponsored by the Human Resource Development Center.

Rules govern use of animals in research

Federal regulations governing the care and use of vertebrate animals are steadily increasing and it is crucial that all University personnel be aware of the need for approval by the Institutional Animal Care and Use Committee (IACUC) for any use of vertebrate animals at the University. The IACUC functions to enact legislation passed under the Animal Welfare Act. These regulations involving the use of vertebrate animals are not restricted to the use of animals in research, but include the use of vertebrates in teaching, training, and promotional activities. Often overlooked is the fact that included in the definition of "vertebrate animals" are fish, poultry, and reptiles.

Individuals planning the use of a vertebrate animal in a University project must keep in mind that the federal agencies governing the IACUC forbid the committee to approve any project without allowing a full week for consideration of the project by all committee members. Researchers also are reminded that IACUC approvals are limited to a specified number of animals and a specific application. Investigators must provide statistical or scientific justification for the use of every animal in all proposals, regardless of the species and any prior approvals.

The Office for Regulatory Compliance (ORC) in 115 Kern Building now coordinates IACUC activities.

By the chair of the University Faculty Senate

Discussion of leadership in the academic department

Editor's Note:
Following are remarks made by Robert Secor, professor and head, Department of English, and chair, University Faculty Senate, at seminars for new department heads.

I've been asked to talk today on leadership, taking a faculty perspective, but mine is no more a faculty perspective than that of any of you in the room today. We department heads all began as faculty, and we still are faculty. If I am thought to have any special faculty perspective, I suppose it relates to my role as chair of the Faculty Senate, or perhaps to the fact that I was a faculty member in my department at Penn State for over twenty years before I took on the headship. In that sense, everything that I say here today will necessarily have a faculty perspective.

The best definition of leadership that I know is that of Harry Truman, who when asked how he liked having the power of the presidency, replied that the only power he had was the opportunity to convince a lot of people to do what they ought to know to do out of their own common sense. It strikes me that that really is our power—and probably our ability. Somewhere along the way we were chosen for leadership positions because we were seen as capable of articulating the sense of a group and of persuading people of our point of view. That, and answering your mail, lands you at leadership conferences like this.

I would congratulate those of you who are new department heads, if it wasn't seen as bad form. A new dean or provost is another matter, but faculty who take on the role of chair are expected to play the role of having done so reluctantly, and at great sacrifice. At the same time, our colleagues are in the habit of saying they wouldn't really want anyone for the job who was eager to do it. At our national convention last year, I overheard the man in back of me on the up escalator say to his companion, "I didn't really want the job, but I was afraid of what the alternative would be." And I knew he had just accepted the chairmanship of his department.

Robert Secor, chair of the University Faculty Senate

Academic administration

Certainly academic administration has its stresses. In his book on The University, Henry Rosovsky, former dean of the faculty of arts and sciences at Harvard, compares the life of the administrator to dentistry: "Both professors and students have in their possession uninterrupted time," Dean Rosovsky observes wistfully:

Time to write, read, think, dream—and to waste. A dean's schedule—any administrator's schedule—could not be more different: half-hour appointments lasting nearly all day and not infrequently beginning with breakfast. Indeed most meals acquire an official character. Learning to make little speeches while eating is essential. Once I compared myself to a dentist: twelve to fourteen interviews a day, frequently accompanied by pain.

"That," Dean Rosovsky adds, "resulted in an angry letter from an official of the dental profession!" Some time ago I was witness to an announcement by a successful but nonetheless frustrated department head who used a different analogy in announcing that he decided not to continue for another term: "Being head of this department," he told his faculty, "is like being nibbled to death by ducks." If the ducks were as organized as the dentists, he too would have received some angry letters.

Words for department heads

Nonetheless, being a department head clearly also has its rewards. We work closely with people we care about, in a discipline we are committed to, and we know that what we do matters significantly to the future of our departments. I am really not surprised that a survey of department chairs showed that, for all of our complaints about the burdens of the office, 90 percent said that it asked they would consider serving another term. One of the revelations to me after assuming the headship was the sense of comradeship with other heads.

As a faculty member I always assumed that department heads saw themselves as rivals for the same resources—that Gimbels never tells Macy's (I'm dating myself, WalMart never tells K-Mart)—but almost immediately after assuming office I was invited to lunch by other department heads to be given tips and support. And I got advice. One whispered in my ear at some social event, "don't make piles." I couldn't help thinking of Dustin Hoffman in The Graduate when a friend of his father whispers "plastics" to him at his graduation party (I guess the advice for success today would be "fiber optics"). Actually, I found "don't make piles" pretty good advice—if I can't see the project laid out by itself on my desk, I've probably gotten too far behind, and if it is in a pile, I am liable to forget it was there until after the deadline for action has passed. A head from another college gave me the following advice for success: "Get a good dean to work with"—which, by the way, I did.

Major challenges

What then, as a department head with a faculty perspective, do I see as the major challenges of the position? Challenge #1 for a new head who wants to set new plans in motion is to convince the faculty that there is any reason to make a change. Rule #1 on this subject is that faculty will always resist change, even if it is a change for the better. Clark Kerr once said that getting faculty to make a change in the curriculum is like trying to move a cemetery. It is said that faculty never want to do anything for the first time. Some of you have been here as long as I and remember faculty reaction to the change to a semester system—what do you think would happen now if President Thomas told the Faculty Senate in September that he would like us to return to the quarter system?

Of course, we are not talking simply about faculty here, but about human psychology. As John Kenneth Galbraith once noted, organizations tend to accept as wise action whatever accords with their present practice. "If it ain't broke, don't fix it," we often say, when of course we do not always know when something is broken, or when, even if not broken, it can be improved. As Joe Paterno reminds us, we really cannot stand still, from week to week; we will either get better or we will get worse. Or, as Will Rogers said, even if you're on the right track, you'll get run over if you just sit there. But faculty want to feel that they are the engines of change; we do not want to be run over by someone else's locomotive.

Let me give a specific example from the history of my own department. Some time ago, a senior professor new to the department was appointed director of our graduate program. He came to us full of energy and vision, and he soon began to attempt major revisions in the program, announcing that his review of it showed our students took too long to complete it, that it was obsolete and did not prepare students to get jobs in the better schools. But it was our program—we had designed it, most of us had sat on committees over the years overseeing it, and we did not want to be told that we were obsolete, or not good enough to place our students well. As far as we can tell, we said, it ain't broke. The rest of the world was faddish—they would come back to us. The professor gave up on us and went back to his research, to be replaced as graduate director by the colleague who had spent 25 years in the department. The very next year, the new director and his committee studied the program and reached the same conclusions. They prepared a report and consulted with every member of the department who had a stake in the program. Problems were pointed out in one-on-one conversations, and when the faculty member being consulted objected to a proposed solution, he or she was asked to help find an acceptable one.

Raising objections

The truth is, whatever reasons we give for raising objections, what is really going on inside of us, more often than not, is the fear that the change will somehow leave us personally worse off, and so whenever it was possible, and for the most part it was, people were assured that they would not lose their students or their seminars as a result of the changes being recommended. After that ambitious round of consultation—and we have about 60 members in our department—the committee reconvened itself to share their individual conversations and to prepare final report. Where it was clear that some compromises were necessary, they were made. When the final report and its recommendations were presented to the department at a meeting of the graduate faculty, it passed unanimously—to a lot of self-

Please see 'Discussion of leadership' on Page 8

Discussion of leadership

Continued from Page 7

congratulations. Nobody noticed that it was essentially the same program that was roundly defeated the previous year. Our pride was at stake, however, and we had to do it our way.

The lesson for faculty, committees, and heads is the same: there is no better way to move an agenda forward, particularly if it involves controversial issues, than to enter the grapevine through private consultations. The tendency is always to resist a new idea if it is seen for the first time in a committee or in an open meeting. If it is such a good idea, seems to be the feeling, we would have thought of it before. Minds can be changed, but it takes a great deal of energy to overcome the first, automatic resistance. Private conversations in preparation to public presentations of new ideas can gain allies while reassuring individual members, thereby overcoming that tick that says, if it ain't broke, don't fix it.

Faculty morale

Another major challenge for any administrator is that of raising faculty morale, which seems to be in decline. In a 1987 Carnegie Foundation for the Advancement of Teaching survey of 5,000 faculty, 41 percent reported that they were less enthusiastic about their work then at the beginning of their academic careers; and when asked about department morale, 75 percent responded that it was worse today than five years ago. Since then times are if anything worse, with new requests for accountability and assessments and salary increases that are not retroactive. Not only does low faculty morale affect faculty performance as researchers and as teachers, but we department heads depend on the willing service of our faculty, and it is we who pay the price of low faculty morale if we cannot work at improving it.

There are many reasons for faculty frustration. Probably none so serious as the feeling among older faculty that the rules have changed. Indeed they have. We have clearly upped the ante of what we expect, particularly in terms of research productivity, when we give out our rewards of salary and promotion. At the same time, in many of our disciplines, mine perhaps as much as any, there has been such an explosion of knowledge or of theory that older faculty feel that they have been left behind. Faculty who feel themselves unproductive and out of touch with their own discipline quickly lose self-confidence and self-respect. Meanwhile, they know that those kids out of graduate school who have joined their departments at lower ranks and have been trained in the current moment of their discipline, are judging them, instead of the other way around. Of course, the older faculty still judge the younger when it comes to tenure and promotion, which then demoralizes the young, who feel that they are being evaluated by their intellectual inferiors. Never has there been a greater generation gap than we are experiencing today in the university, and finding ways to cope with it is a major challenge to those of us who must deal with the problem at the departmental level.

What are the solutions?

I don't have a lot of solutions. Of course, we have to find new ways of helping faculty to regenerate their research agendas. But I firmly believe that at the same time we need to be sympathetic to the older faculty in the position that I have described. Frequently we use such terms as "deadwood," or "burnt-out cases," dehumanizing terms that I wish we could purge from our discourse. I can't help thinking of Willy Loman in Death of a Salesman, who was similarly past his prime, no longer the salesman he was, and was now being fired by his old boss's son and devalued as well by his own sons, who no longer needed him and wanted to get on with their lives. In the play's most moving moment, his wife lectures her boys, reminding them of who their father is and what he was, saying, "Attention must be paid." We need to find a place for the Willy Lomans among us—those faculty who were once productive and respected colleagues; we cannot simply discard them as "deadwood."

In Scholarship Reconsidered, Ernest Boyer reproduces graphs which chart the peak periods of productivity for various kinds of people. Lyric poets peak at 30, for example, and inventors at 37. Edison at 47 was not the inventor he was at 37, but nobody called him "deadwood." Thoreau could say, "I left the woods for as good a reason as I went there...it seemed to me that I had several more lives to lead, and could not spare any more time for that one," but faculty are expected to lead one life and to be continually or even increasingly productive in it. In some cases, faculty have remained professionally active, even while there is a clear falling off from earlier publication. We need to convey to them that what they continue to do remains worthwhile, and that we appreciate it. At the same time, as Dr. Boyer suggests, we need to allow, no, rather help, faculty to enter new stages in their careers, feeling good about what they have already achieved and perhaps even better about what they have yet to give in new arenas—arenas which may involve more emphasis on mentoring of younger faculty, or greater involvement with students, or administrative roles.

'Be your unit's public relations director. Speak well of it and the people in it; nobody knows the achievements of your faculty better than you.'

What about faculty who do have ongoing productive research records? Our challenge there is to make them to feel that they are appreciated. In their best selling In Search of Excellence, Peters and Waterman refer to a psychological survey of men in which, when asked how they would rank themselves on "the ability to get along with others":

All subjects, 100 percent, put themselves in the top half of the population. Sixty percent rated themselves in the top 10 percent of the population, and a full 25 percent ever so humbly thought they were in the top 1 percent of the population. In a parallel finding, 70 percent rated themselves in the top quartile in leadership; only 2 percent felt they were below average as leaders. Finally, in an area in which self-deception should be hard for most males, at least 60 percent said they were in the top quartile of athletic ability; only 6 percent said they were below average.

I am sorry that they gave no comparable data for women—where, from what I have read elsewhere, I suspect self-images might be somewhat different. What is significant, however, is that in their review of successful and unsuccessful companies, Peters and Waterman conclude that those companies that succeeded reinforced their workers' self-images as winners, whereas those that failed took a negative view of their people, verbally berated participants for poor performance, calling for risk but punishing even tiny failures until the spirit of innovation, which they wanted, was completely broken.

Make faculty feel like winners

Our task then is to make our faculty feel like winners. To do that, we have to recognize and acknowledge their achievements. Why doesn't the head read the books and articles I send his way? I used to wonder. If I were head, I would see that as my major responsibility. I tried, when I went into office—it lasted about three weeks. I soon learned that the task is impossible. But I do think that we should at least acknowledge every book or article that our faculty give us on publication. And I have learned that the more immediate the acknowledgment, the more it is appreciated—and the easier it really is to do.

In those first three weeks when I thought I would indeed read it all, I took the articles home in my attache case, but I soon got behind, and when I realized three weeks later that I wasn't really going to read the piece, I could no longer just write a note, saying thanks for the article you gave me—three weeks ago. I thought back to Professor Dike, my undergraduate teacher who introduced me to the work of Joseph Conrad. When my first book was published, on Conrad, I sent him a copy. I received a note back from him in the first possible return mail, thanking me and saying it was just what he needed to prepare for his seminar that Friday. I couldn't have been more thrilled. It wasn't until years later that I realized he never wrote again to say what he thought of the book—that he never had time to read it. So that is a trick I have adopted, the immediate note that says, congratulations on the piece in Publishing Scoundrel, which is one of the best journals in the field; this certainly has been a productive year for you. That is really all that is needed for you not to be mistaken by your faculty for a black hole, and for faculty to feel that their efforts are recognized.

Then, of course, you do want to read what you have time for. I try to read items which seem particularly interesting, or in my field, or by faculty who I want to encourage particularly in their efforts. Then a follow-up note comes as an even more appreciated surprise. I would also suggest finding some way of displaying faculty achievements, not only their publications but also notices of awards and favorable reviews of their work. We have set up a faculty achievement corner for this purpose in our mailroom. If the achievement is special (a major teaching award, a long awaited book), then a special event might be called for—a reception or a luncheon or simply a toast at the end of the day.

I am sure that everyone here has his or her list of dos and don'ts; since I have the floor, let me give you some of mine, beginning with don'ts:

Don't be a blamer

Don't be a blamer. Some chairs blame all of their problems on the incompetence or bad faith of those above them. John Bennett characterizes the chair who sees himself as the defender of the department against the ill-will of the higher administration as the "adversarial chair," who "usually views departmental problems as externally created—others are withholding funds or denying promotions because they don't value the discipline; are punishing the department for its earlier courageous statement on academic freedom, or are in some other way being duplicitous." A head who is either in that relationship with the higher administration, or

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conceives that that is the relationship, or, worse yet, puts the department in that relationship, cannot succeed.

When heads continually blame unhappy situations on external conditions, faculty feel there is no point in trying to find solutions, not if an unsympathetic higher administration won't support them anyway. Sometimes, of course, there will be a need to defend the department against a vision by the college, to try to change its priorities or policies if they do not seem fair or workable, or in the department's interests. But if the battle is lost, then the department head must find ways of adapting to the conditions placed upon it and move on. A head is in a much stronger position if he or she can say, I know we have the dean's ear, what we need is a rational and convincing plan and she will listen to it. It is human nature to want to see ourselves responsible for our successes and to blame the system for our failures, but psychological research has shown that "People tune out if they feel they are failing, because 'the system' is to blame. They tune in when the system leads them to believe that they [can be] successful." Only then are they likely to try again. We need to convey to our faculty a sense of partnership; not a feeling of helplessness and isolation.

Don't avoid responsibility

Don't avoid responsibility. Heads must make distinctions, among programs (weak and strong), and among faculty (allocating resources, assigning duties), and in making recommendations for tenure and promotion. We simply cannot avoid the necessity to make choices. I heard recently the story of Frank Perdue, who went to the Pope to suggest that he make a change in the Lord's Prayer "Instead of 'Give us this day our daily bread,'" Perdue asked the Pope, "would you consider changing the line to read, 'Give us this day our daily chicken?" "That's crazy," the Pope answered, "why should we do that?" "Well," Perdue explained, "what would you say to a $40 million gift to the Church?" The Pope presented the situation to his bishops: "we have just been made a $40 million gift from Frank Perdue. All we have to do is change the Lord's Prayer from 'Give us this day our daily bread,' to 'Give us this day our daily chicken.' There is a downside, however. We are bound to lose the Stroehmann account." As I say, like the Pope, we all are faced with situations where we have to make choices. In allocating resources, salaries, making those tenure and promotion decisions, we always are being asked to choose between Frank Perdue and the Stroehmann account.

'A survey of department chairs showed that, for all of our complaints about the burdens of the office, 90 percent said if asked they would consider serving another term.'

Let me pass on some personal experience, from a faculty perspective, of a head who would not make the necessary choices—or at least accept responsibility for them. A colleague in another college told me of being on his college's Tenure and Promotion Committee. One department presented a recommendation to promote one of its members to professor, but letters from outside referees were quite negative about the importance and the amount of his publication. The head's letter ostensibly supported the promotion, while at the same time acknowledging that the research record really wasn't very strong, and suggesting that if that mattered to the committee, he would understand if we didn't approve the recommendation.

So the committee did what the head clearly wanted it to do and rejected the recommendation, but the faculty member to this day believes that his supportive department and head were overturned by an ill-willed and irrational college committee and dean; he remains embittered towards his colleagues on the college review committee and towards a system he is convinced he cannot beat, and he has given up the effort to develop a strong research record. The very next year, the same department head put forward a tenure case with a similar letter of recommendation. This time the college committee decided to take him at his word, however, in his claim that he was making a positive recommendation, and he and his department now must live with the results of the higher committee's refusal to make the negative tenure decision for him. In one case the faculty member was the loser; in the other, the department. But in both cases the real loser was the head himself, with the faculty on the higher committees and with the dean, for whom he became known as a department head who was not capable of making the difficult decisions and taking responsibility for them.

Some dos

Now for some Dos. Do:

Be your unit's public relations director. Speak well of it and the people in it; nobody knows the achievements of your faculty better than you, and it is your role to make them known in private conversations with others, and, when given the opportunity, in written communications and in public forums. It is your responsibility to place the unit you head, its achievements and its needs, before the public and the administration. You should therefore accept opportunities to represent your unit, and to advance its cause and that of its members. Of course, not every occasion presents such opportunities; for example, it would not be relevant for me now to call attention to the English Department's problem of over-dependence on part-time faculty (we simply need more tenure lines)—but if it were, I would do so, particularly with three vice-provosts in attendance here today.

Serve as the conscience of your faculty. You must be the protector of those groups who may not have the strongest voices in your department—lecturers, perhaps your CES faculty (you are, after all, the only department head they have), and of course, the students. In issues such as diversity, or affirmative action, you need to find and take the moral ground. In issues of curriculum, in the guidance you give, you must as a matter of conscience steer your faculty between the shoals of a rigid and restrictive curriculum and simple faddishness which has only popular currency.

Foster a climate in which teaching is appreciated and respected. When the provost presented to you yesterday his agenda of key issues, his first was undergraduate education. From as far east as Harvard and as far west as Stanford, and in documents issued by the Carnegie Commission, the National Endowment for the Humanities, and the National Commission of Excellence in Education, a call has gone out for greater attention to be paid to undergraduate education in large, research-oriented institutions. As the provost said, it is really a question of achieving a balance, so that one keeps a sense of the importance of research in a research institution, without becoming so preoccupied with it that we feel everything else is only a distraction from our single reason to be.

Foster teacher-scholars

I remember one of my teachers in graduate school, who had four children, telling us that each child cost him a book. There is the story of another professor similarly preoccupied with his research. When his wife gave birth the same month his book was published, and a friend greeted him on the street saying, "I understand congratulations are in order," the professor replied: "Thanks, there was a period when I thought it would never happen, but I took some time off to work at it and, to give credit where it is due, I wouldn't have succeeded without the participation of my graduate assistant." In seeking to restore balance, we need to ask ourselves if we are sending the right messages to our faculty concerning our expectations of them, and the expectations they should have of themselves. Mostly, we have to return to the notion of teacher-scholars. When Kittridge was asked how long he prepared to teach a class, he replied, "I have prepared all my life." We have somehow lost our way here. The need to refocus more of our attention on undergraduate education will indeed be at the top of the agenda in the coming year. In fact, the administration and the Faculty Senate have just received the report from the Task Force on Undergraduate Education that we formed together, and we will soon be recommending ways of implementing the many suggestions of this impressive document and sending them on to you.

Share information with your faculty. If they understand how the budget works, for example, they can also understand the constraints upon it. Supply a rationale for decisions and policies—in advance of them being made or applied if possible. Be sure faculty know what is expected of them, particularly for promotion and tenure. If the rules are clear and people know what they need to do, they cannot blame the system or personalities if they fail to achieve the goal.

Find out what solutions are possible before raising major issues. I spoke earlier of the need to go to the grapevine before making new or controversial recommendations of your faculty. Sometimes it is useful to consult upwards as well. This is a lesson I learned in the Faculty Senate, where six years ago we spent a deal of our time forging a major revision of the academic calendar to recommend to the administration, which then explained to us why that revision was impossible to implement. This year, we are looking at a new five-year calendar revision, but we will be working with the administration to get a sense of what is feasible before our committees make recommendations for the Senate as a whole to consider. I think department heads should similarly get a sense of whether the dean might support controversial recommendations before leading a department into battle.

Track coming trends

Track coming trends—through reading, through attending conferences, through networking with chairs of comparable departments. Be aware of national movements. Of course, as someone once said—actually it has been attributed to Niels Bohr but it should have been Yogi Berra—predictions can be very difficult, especially those about the future. For all of department planning, who could have predicted the Mellon Bill for early retirement a year ago? We still don't know what the implications will be for the university, or just who in our own departments will be taking advantage of the bill. (I know of one administrator who explained to a particularly unproductive faculty member that he could now retire at 3/4 of his salary, to which he received the

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reply: "but why should I do that when I am already retired at full salary?") Some trends, however, can be tracked—such as the one I mentioned concerning the new nationwide emphasis on undergraduate education, and the wave about to hit. assessment.

Make a paper trail. Every time a verbal commitment is made to you, confirm it in writing. Put in writing your understanding of assignments made to others. Keep a record of commitments you make to others and make sure that those who need to implement them are given copies. To save yourself time in confirming conversations, or if you have any doubt that you are being understood, you may at times want to ask others to put in writing their understanding of the conversation.

Collect Evidence

Collect evidence, and try to back up every request for resources with figures and comparative data. Don't just assume that the people you are appealing to will share your assumptions. I know of a college strategic plan that expressed the need for additional faculty lines to reduce large classes so that students could be better educated. It came back circled, with the question, "how do we know there is any relationship?" At the same time, our own Math Department has been developing its own evidence for that relationship in an experiment where 25 at-risk students have been removed from Math 140, a large calculus class of 150, and taught the same syllabus in a separate section. The students in both sections are given the same standardized test. The experiment has been run for several years, and every year, every semester, the at-risk students in the smaller class perform better on the examination than the presumably better students in the large class.

The Math Department is using the data to make their request for additional resources in order to reduce the large lecture to small sections. Nobody will be asking them how they know that smaller is better. There is also another kind of evidence that we should be seeking and using: comparative data from similar departments. Our place in the Big Ten gives us a good outside base for comparison, and it should help us to find and make use of such data. Of course, we have to know how to use our findings. If we are in the top half of the schools in the category we are examining, we have to argue that we want to stay there and become number one; if in the bottom half, particularly in resources, we need to ask for help to move into top half, etc. Don't fudge the figures, but make them work for you.

Give faculty feedback

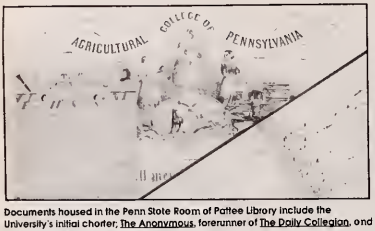
Give faculty feedback concerning their progress—that in fact is mandated of us. This is not always easy, for who among us is not sensitive to criticism? So tact is called for. With senior faculty particularly, an atmosphere of mutual evaluation is sometimes helpful. (I recall those images of Mayor Koch at the top of the subway stairs, greeting emerging New Yorkers with a handshake and his question, "How am I doing?") Meeting with faculty to talk about their work and careers should be seen as constructive rather than punitive. It should give those who have not produced much lately a chance to say, I know, but I've tried, I've had these problems. And that gives you a chance to sympathize, and to help them, either with advice or with resources.

Let me illustrate my last "do" with a lesson they give in officers' training school. The candidates are faced with a situation: you are a general who has just taken a beachhead. Before you get on with your strategy session, the flag has to be planted, but it has been an unusually cold winter and the ground is frozen solid. What do you do? Various solutions are usually suggested, such as, back the tanks into a circle and run their exhausts, or use dynamite to blast the ice loose, etc. The right answer, however, is: you say, "Lieutenant, plant the flag." The truth is, you cannot do everything; if you don't learn to delegate to other faculty, you will find yourself delegating to your staff, and there is nothing more likely to cause resentment among your faculty than for them to feel important decisions are being made by the head secretary or by our administrative aide. Always be sure to give to those to whom you have delegated a task as much relevant information as you can, along with clear and precise directions and timetables. A hurried word giving someone an assignment is not likely to lead to the kind of results that you would want.

See problems as opportunities

Finally, I wonder what each of us would whisper if we had only one piece of advice to give for a successful headship? It's an idea for a new party game. Mine would not be "plastics," or "fiber optics," or even "don't make piles." I think it would be, always try to see problems as opportunities (I am reminded of the dean who, after telling his faculty that it was necessary to lower admission standards, pointed out that this presented a great opportunity to work with a more diverse group of students and to experiment with a whole new range of instructional techniques), and never, ever, present a problem to a higher administrator without also offering a recommendation for a workable solution.

Penn State archives in good hands at Pattee



Documents housed in the Penn State Room of Pattee Library include the University's initial charter; The Anonymous, forerunner of The Daily Collegian, and Evan Pugh's diary of a trip to Europe.

(Second in a series)

Webster defines "archive" as a place in which public records or historical documents are preserved.

At Penn State, the "University Archives" are: the records, the place where they're kept, and the unit responsible for their management.

According to **Lee Stout**, University archivist, "archival records" are those University records which are no longer actively needed in the offices which created or received them, but are judged to be worth keeping permanently.

"The new policy on records management," he said, "ensures that those records designated as archival will be identified and properly preserved for future use

"The policy, AD-35, also notes that all records have a life span and eventually become inactive in their offices of origin. Those that are transferred to the Archives eventually will be available to the public for research purposes. However, the timing for that access depends on confidentiality concerns and established laws, regulations and University policies."

The Penn State Room in Pattee Library at University Park was established in 1904 as a collection of publications, photographs, and other materials and has acquired much of the archival record of Penn State in the 19th century.

In 1985, President Jordan approved a committee recommendation designating the Penn State Room as the University Archives and formally assigning the responsibility it had been performing.

As part of the new records management program, the Archives identifies those University records which have archival value. Mr. Stout, **Jackie Esposito**, assistant University archivist, and **Alston Turchetta**, archives specialist, can assist in making that determination. Their offices are in C107 Pattee Library and they can be reached at 865-7931.

Once records are transferred to the Archives, they are kept by office of origin—in the original filing order if possible—and preserved in secure storage areas.

"University archival records can come from any office at any Penn State location," Ms. Esposito said.

"Archival records are not just paper correspondence and reports. They also can include copies of official University publications, maps and plans, photographs, motion picture films, sound and videorecordings, and computerized data."

Noting that all archival records eventually will be available for use, Mr. Stout said most records are "restricted" or "official" and will not be available for use by researchers until 20 years after the date of their creation.

"Those which are most confidential may be closed for even longer periods of time. For example, student transcript information protected by the Family Educational Records Privacy Act are closed until the death of the student."

The University Archives/Penn State Room also collects a variety of materials which complement the official records. They include the professional and personal papers of faculty and administrators, records and publications of student organizations, and a variety of materials which document the history of the local area and its impact on the development of Penn State.

"We must keep some records, such as deeds of University land or the minutes for the Board of Trustees, because of legal necessity," Mr. Stout said.

"We keep other records, such as student transcripts or the University's course catalogs, because they have significant administrative value as evidence of the work of the University. Many other records may share some of these characteristics or just be considered valuable as historical records or as instructional support material.

"Penn State has significance in the history of higher education. This history is not only of research interest, but also of interest as a "usable past" for telling the Penn State story through publications and presentations to various constituencies." — Bill Campbell

(Next: Electronic records)

Giving a lift to scientific balloons

Heavy-lift balloons like this, used to study the ozone hole, are made of polyethylene film being improved by Penn State researchers. Each balloon consists of acres of film, uses between 20 and 40 million cubic feet of helium for lift, and may have 20 miles of sealed seams.

Heavy-lift balloons are popular among scientists because of their increased reliability, quick turnaround and low cost, according to a University researcher.

Heavy-lift balloons are used by scientists to study the ozone hole for gamma ray astronomy and to test experiments that will fly on the shuttle. They carry payloads of 5,000 pounds and reach heights of 100,000 to 120,000 feet. Commercial jets usually cruise between 30,000 and 40,000 feet.

"In the early 1980s, heavy-lift balloon users were upset because balloons carrying payloads were failing at a rate of almost 100 percent," **Dr. Ian R. Harrison**, professor of polymer science, says. "The previous failure rate had been about 50 percent, which was acceptable."

If two or three balloons were sent up, at least one would be successful and payloads parachute back to Earth where instruments are recovered and reused.

A NASA committee spent a year trying to understand the problem and presented recommendations for improving balloon manufacture.

"Since implementing the recommendations, the current failure rate of heavy-lift balloons dropped to 1 to 2 percent," Dr. Harrison says. "However, one realization from the NASA study was that very little was known about what constitutes good balloon film."

Heavy-lift balloons are made of polyethylene film about the thickness of a plastic garbage bag. The balloons are tear-drop shaped with diameters ranging from 500 to 600 feet and are made of plastic strips sealed together.

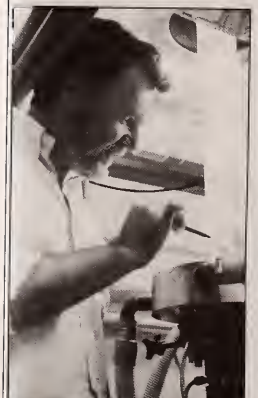
One balloon may have 20 miles of sealed seams and consist of acres of balloon film. Each balloon uses between 20 and 40 million cubic feet of helium for lift.

"The key to balloon films is that they must be tough at low temperatures," Dr. Harrison notes. "They may be launched at normal temperatures, but as they rise, they get cold fast, going as low as minus 80 or 90 in the troposphere."

According to Dr. Harrison, there are perhaps 100 grades of polyethylene with seven or eight major suppliers. The three major classes of polyethylene are high-density, low-density and linear low density polyethylenes.

A new material developed by the researcher is a mixture of high density polyethylene and linear low density polyethylene and is stiffer than either. He believes that it would be less sensitive to finger pulls when deploying the balloon and somewhat more elastic.

"The resin blending part of the work is completed. Now we have to optimize the extrusion process and develop methods for enhancing the properties of the film. Eventually we will scale up the process to factory manufacturing size."



Polymer scientist Ian Harrison works on an extruder machine to improve the film used for heavy-lift balloons.

Dr. Harrison notes that the requirements of balloon flight are changing. Scientists would like longer duration flights for extended experimentation.

"Normally, at night when the temperatures cool, the balloons drop ballast to retain their altitude. During the day, they vent gas to keep from rising too high."

Dropping ballast and venting gas are necessary because gases expand when heated and contract when cooled, altering their buoyancy. However, ballast and gas requirements limit the duration of balloon flights.

"To increase the flight lengths, we would need to devise a fixed-volume balloon, Dr. Harrison says. "This would put the skin under pressure at some point. Materials other than polyethylene might be better choices for this application."

He suggests nylon blends or laminates or polymers with hydrogen bonds such as polyvinyl alcohols or ethylene vinyl alcohol copolymers.

"These materials are like the materials used in the food industry for potato chip or other snack packaging. They are tough films with good barrier action.

"I think that eventually we will go to a composite laminate of some sort, probably a nylon with two sheets of something as a moisture barrier. Nylon is moisture sensitive and becomes soft when hydrated.

"The trick is going to be making this laminate only 20 microns thick and getting the layers to stick together."

According to the Penn State expert, researchers are looking for new ways to use balloons including deployment from rockets or aircraft. Some consideration is being given to using balloons deployed from an orbiter for the study and survey of Mars.— A'ndrea Elyse Messer

Focus on the arts

Ohio Arts Trio

The Ohio Arts Trio will present a guest recital 8 p.m. Saturday, Oct. 12, in the School of Music Recital Hall at University Park.

The program will include solo, duo and trio chamber music from the 19th and 20th centuries for flute, oboe and piano.

The Ohio Arts Trio consists of Ohio University School of Music faculty members Gail Berenson, piano; Donna Conaty, oboe, and Trygve Peterson, flute.

The concert is free and open to the public.

The arts on Channel 3

Michael Feinstein and Friends celebrates the great American composers of the 1920s, 1930, and 1940s in a musical special hosted by Feinstein and featuring special guest stars Rosemary Clooney and Mercer Ellington conducting the Duke Ellington Orchestra. The program, taped before an audience in a television studio transformed into an elegant Chicago nightspot, airs at 9 p.m. Saturday, Oct. 12, on WPSX-TV.

Children's musical

"Harold and the Purple Crayon," a musical for children of all ages, will be performed 3 p.m. Sunday, Oct. 13, in Eisenhower Auditorium at University Park.

The musical, presented by the Center for the Performing Arts, is based on Crockett Johnson's picture book.

Unable to sleep one night, Harold takes his purple crayon and colors himself into an imaginary adventure. He creates a forest, meets a purple dragon, falls into a purple river then draws a purple boat to save himself. He loses his way, but eventually he finds himself safely tucked in his own bed with his trusty crayon.

Jon Ehrlich is the composer of "Harold and the Purple Crayon." Ehrlich, Robin Pogrebin co-wrote the lyrics, and Jane Merlin Shepard wrote the book adaptation.

"Harold and the Purple Crayon," part of the Wide Eyed Wonders series, is co- sponsored by Peoples National Bank of State College.

Tickets are $5 for adults and $3 for children. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Art lecture

W Jackson Rushing, assistant professor of art history at the University of Missouri-St. Louis, will present "Interventions in Contemporary Native American Art" at 8 p.m. Tuesday, Oct. 15, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies at Penn State.

Dr. Rushing specializes in Native American art, primitivism and abstract expressionism and tribal, folk and ethnic arts. He has lectured extensively on the influence of Native American art on Jackson Pollock and was scholar-in-residence at the Pollock-Krasner Study Center in East Hampton, N.Y. in August.

The lecture is free and open to the public.

HUB Crafts Centre

The HUB Arts and Crafts Centre has openings for its second session of fall classes in October.

There are classes for children and adults (students and non-students) in a variety of mediums, including pottery, sculpture, stained glass, art d'oevres, drawing, figure drawing, oil painting, watercolor, quilting, weaving, acting and dance (for children), and a variety of one or two- day workshops.

The adult classes are usually held from 7 to 9 p.m. and usually cost $40. Children's classes are usually held between 4 and 6 p.m. and usually cost $30. The Centre also offers memberships ($15/$20) for those who want to use the facilities.

For information, call 863-0611, or stop by the Centre located in 312 HUB.

Odyssey on WPSU

John Barth, author of *Lost in the Funhouse*, reads from his latest novel, *The Last Voyage of Somebody the Sailor*, on the next episode of Odyssey Through Literature.

Barth's works, says host Leonard Rubinstein, professor emeritus of English, are "profoundly entertaining medleys of metaphysics and mischief."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Wind ensemble

The Penn State Symphonic Wind Ensemble, under the direction of Smith Toulson, will present its first concert of the year at 8 p.m. Wednesday, Oct. 16, in the Recital Hall of the Music Building at University Park.

The program will feature a variety of works by mostly American composers, beginning with Variations on a Korean Folk Song, by John Barnes Chance. Also on the program will be performances of Pennsylvania-born Vincent Persichetti's Chorale Prelude: So Pure The Star, and Walter Hartley's Sinfonia No. 4.

On the second half of the concert, the ensemble will perform two light-hearted works, Punchinello: An Overture to a Romantic Comedy by Alfred Reed, and Savannah River Holiday by Ron Nelson.

Selected members of the brass section will present two works for brass: Canzona Bergamasca by Samuel Scheidt, and This Old Man, a tongue-in-cheek setting of the familiar children's tune arranged by Robert Nagel.

Concert Choir

The Penn State Concert Choir will perform in concert at 12:10 p.m. Thursday, Oct. 17, in the Helen Eakin Eisenhower Chapel at University Park. The 20- minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include settings of "O vos omnes" by Casals and Clausen, plus other works from the choir's fall tour repertoire. The Concert Choir is a group of 75 students from music and other majors directed by D. Douglas Miller of the School of Music faculty.

Bamberg Symphony

The Bamberg Symphony Orchestra and cello soloist Heinrich Schiff, conducted by Christoph Eschenbach, will perform in concert at 8 p.m. Friday, Oct. 18, in Eisenhower Auditorium at University Park.

The program will include Dvorak's "Carnival" Overture, Op. 92, Shostakovich's Cello Concerto No. 1 in E-flat major, Op. 107 and Dvorak's Symphony No. 9 in E minor, Op. 95 ("From the New World").

The Bamberg Symphony Orchestra, founded in 1946 by former members of the German Philharmonic Orchestra of Prague, was the first German orchestra invited to perform in France, Spain and Portugal after World War II.

A noteworthy figure in European music for nearly 20 years, Schiff averages more than 100 concerts a year and regularly appears at the Edinburgh, Salzburg and Vienna music festivals. Taylor Greer, associate professor of music, will talk about the evening's program as part of the Artistic Viewpoints lecture series in Eisenhower Auditorium's Greenroom at 7 p.m.

The parking lot behind Eisenhower Auditorium is scheduled to close Oct. 1 for construction of a new parking garage. Parking lot Blue A at the corner of Bigler and Curtin Roads will be open to the public.

Homecoming concert

The Penn State Glee Club will present its annual Homecoming concert at 7:30 p.m. Saturday, Oct. 19, at University Park.

The Glee Club, an 85- man ensemble directed by Bruce Trinkley, associate professor of music, is now in its 104th season.

To mark the Mozart Bicentennial, the group will perform Mozart's Masonic Cantata, "Dir, Seele des Weltalls," featuring soprano Suzanne Roy as guest artist. The Glee Club also will perform sacred works by Victoria and Bruckner, as well as folksongs and spirituals.

The Hi-Lo's, a 16-man specialty group, will perform several glees and madrigals then join the Glee Club to perform "Blow, Gabriel, Blow," "In the Still of the Night" and "Friendship" to salute the 100th anniversary of Cole Porter's birth. The New Decade Horn Quartet will perform "Nachtgesang im Walde," by Franz Schubert.

The concert will conclude with the Alumni Glee Club, returning members of the ensemble, joining with the 1991-92 Glee Club to perform the traditional Penn State Football Medley and the Alma Mater.

The concert is free to the public.

Kern Art Gallery

On display until Nov. 8 at the Kern ARt Gallery at University Park are:

"Sherry Oberholtzer: Hand Made Baskets." All natural reeds are used in the early colonial design of the baskets. The colors and construction technique show the makers' understanding of the craft and the functionality of baskets.

"Mary L. Schaefer: Photo Lithographs and Oil Paintings." Southwest architecture, landscape, and people are the focal point of the exhibit. The artist considers light and its variations a very important factor in her paintings.

The arts at...

Altoona Campus

One of the most spectacularly successful comedies in American stage history, "Barefoot in the Park," will be presented as a dinner-theatre at the Penn State Altoona Campus at 6 p.m. Oct. 15 in the Harry E. Slep Student Center.

Written by Neil Simon, the highly acclaimed playwright of modern American theater, "Barefoot in the Park" had a Broadway run of over three years. The play is the hilarious saga of a pair of newlyweds as they set up housekeeping in a rackety apartment, with complications provided by the bride's mother and an over-friendly, odd-ball neighbor from the attic above them.

Tickets may be purchased at the Penn State Bookstore on the Altoona Campus for $17. This includes dinner and the show. Call 949-5120 for additional information.

University Park Calendar

October 10 -- October 20

Special Events

Thursday, October 10
■ Int'l. Conference, "The Wall: Reality and Symbol," through Oct. 12. Register, 863-6106.
Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Hi-Lo's from the Penn State Glee Club.

Friday, October 11
School of Music, 8 p.m., Eisenhower Aud. Penn State Philharmonic, The Planets by Holst.

Saturday, October 12
Shaver's Creek, 1-4 p.m., View From the Graveside. Call 863-2000.
Parents Weekend, through Oct. 13.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ray Charles.
School of Music, 8 p.m., Recital Hall. Ohio Univ., Trygve Peterson, flute; Donna Conaty, oboe; Gail Berenson, piano.

Sunday, October 13
Shaver's Creek, 1-5 p.m., Foliage Mountain Hike. Call 863-2000.
Center for the Performing Arts, 3 p.m., Eisenhower Aud. Harold and the Purple Crayon.
Carnegie Hall Film Series, 7 p.m., *The Conversation* (1974); 9 p.m., *Rumble Fish* (1983), 108 Wartik. Free.

Monday, October 14
Gerontology Center Conference on "Social Structure and Aging: Historical Perspectives," through Oct. 15. Register, 863-1738.
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Peter Spearitt, Monash Univ., on "Exploring the Cultural Psyche--An Australian Perspective."
Shaver's Creek, 12:30-2 p.m., Extra Junior Junior Nature Explorers. Also Oct. 16, 18. Call 863-2000.

Tuesday, October 15
Returning Adult Student Center, 12:30-1:30 p.m., 329 Boucke. "Financial Empowerment- Gaining Control Over Your Personal Finances." Also Oct. 16, 6 p.m., 329 Boucke.
Talk, 4 p.m., 101 Ag Sciences and Industries. Kristin Moore, Child Trends Inc., Wash., D.C., on "Teenage Childbearing: Research and Public Policy."
■ HUB Personal Issues Series, 7 p.m., HUB Fishbowl. Jack Rayman on "Job Search for International Students."
Art and the Native American: Perceptions, Reality, and Influences, 8 p.m., 112 Walker. W. Jack Rushing, Univ. of Missouri, on "Interventions in Contemporary Native American Art."

Wednesday, October 16
Brown Bag meeting, 7:8:15 p.m., 322 Sackett. Larry Spence, professor of Political Science and well-known master of discussion method of teaching, will demonstrate the art of successfully leading a "small" discussion with up to 80 people.
■ Education Abroad Opportunities, informational meeting, 7:30 p.m., Int'l. Student Lounge, 222 Boucke. Description of educational experiences in Kenya, Italy, France, Spain, Egypt, Netherlands, England, Puerto Rico.
School of Music, 8 p.m., Recital Hall. Symphonic Wind Ensemble.

Thursday, October 17
Concert, noon, 1st floor, Kern Lobby. "Mellow Jazz."
Bach's Lunch, 12:10 p.m.-12:30 p.m., Eisenhower Chapel. Penn State Concert Choir.

Friday, October 18
Homecoming parade/candlelight vigil.
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Bamberg Symphony Orchestra.

Saturday, October 19
Shaver's Creek, 2:3:30 p.m., The Winged Hunters. Call 863-2000.
Penn State Glee Club Homecoming concert, 7:30 p.m., Schwab Aud.
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., 10 Sparks. Marlon T. Riggs, award-winning independent video producer, Univ. of Calif., Berkeley, on "Tongues Untied."

Sunday, October 20
Shaver's Creek, 1-5 p.m., Halloween Trail Cast Training. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., 108 Wartik. *On the Waterfront* (1954); 9 p.m., *Mean Streets* (1962). Free.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Oct. 14-15. Social Structure and Aging: Historical Perspectives. K. Warner Schaie, chair; Barb Impelliteri, chair.
Oct. 14-16. Nondestructive Test and Evaluation Showcase. Robert Pangborn, chair, Norm Lathbury, coordinator.
Oct. 14-18. Vibration Control Short Course. Courtney Burroughs, chair, Bill Sterner, coordinator.
Oct. 15-18. Fermentation Methods and Scale-Up Strategies. Kamal Rashid, chair; Jerri Milsom, coordinator.
Oct. 15-17. Pennsylvania School Psychologists Conference. Joseph French, chair; Jack Sinclair, coordinator.

Seminars

Thursday, October 10
Graduate Program in Ecology, 11:15 a.m., 108 Tyson. J. Michael Scott, Univ. of Idaho, on "Gap Analysis."
School of Forest Resources, 11:15 a.m., 108 Tyson. J. Michael Scott, Univ. of Idaho, on "Gap Analysis: An Approach For Protection of Biodiversity."
■ Slavic Center Luncheon seminar, noon, 124 Sparks. Matjaz Klemencic, Univ. of Maribor, Slovenia, on "National and Ethnic Conflict in Yugoslovia."
Economics, Institute for Policy Research and Evaluation, 2:30-4 p.m., 273 Willard. Kevin Murphy, Univ. of Chicago, on "Unemployment, Nonemployment, and Wages: Why Has the Natural Rate Increased Through Time?"
Physics Colloquium, 3:30 p.m., 112 Osmond Lab. E. Ward Plummer, Univ. of Pa., on "Surfaces of Simple Metals: An Experimentalist's and Theorist's Playground."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Glenda Laws, Deryck Holdsworth on "Planning for Aging in the Public and Private Sectors."

Friday, October 11
Technical seminar, 11:15 a.m.-12:15 p.m., 107 Wartik Lab. Jeffrey Rosen, Baylor College of Medicine, on "Milk Protein Gene Expression: From Basic Research to Biotechnology."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Steve Fales on "Stocking Rate Effects on Pasture Growth, Forage Quality, Forage Utilization, and on Milk Production by Dairy Cows Under Intensive Rotational Grazing."
Geog. Coffee Hour, 4 p.m., 319 Walker. Craig Zabel on "Extraordinary Buildings in Ordinary Places: Prairie School Banks and George Grant Elmslie." Refreshments, 3:30 p.m.

Saturday, October 12
Research funding seminar, 8:30 a.m.-noon, 128 Sackett. Marshall Kaplan on "Obtaining Funding for Faculty Research."

Tuesday, October 15
■ International Lecture Series, 2:30-4 p.m., International Lounge, 222 Boucke. Edward Williams on "The Bells of Russia."
Graduate Program in Nutrition, 4 p.m., 108 Tyson. Bruce Bistrian, New England Deaconess Hospital, on "Nutritional Support of the Critically Ill."
Biology, 4 p.m., 8 Mueller Lab. Robert Fleischer, Nat'l. Zoological Park, Smithsonian Institute, on "Evolutionary Genetics of Hawaiian Birds."

Wednesday, October 16
Plant Pathology, noon, 112 Buckhout Lab. Richard A. Dixon, Samuel Roberts Noble Foundation, Ardmore, OK, on "Molecular Aspects of Induced Defense in Legumes."
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Susan Perry, Virginia, on "Earnings Management in Going Private Transactions."
■ Fulbright Informal Lecture Series, 3:30-4:30 p.m., International Lounge, 222 Boucke. Ambassador Viktor Israelian, Soviet Diplomatic Academy, Moscow, U.S.S.R., on "The Coup and its Aftermath."
Eng. Science and Mechanics, 3:35 p.m., 314 Hammond. Jayant Banaver on "Self Organized Criticality--Behavior of Sand Piles."

Thursday, October 17
Polymer Science, 9 a.m., 301 Steidle. A. Chakraborti, Univ. of Calif., Berkeley, on "Near Surface Structure and Dynamics of Strongly Interacting Polymer-Solid Interfaces."
■ Slavic Center Luncheon seminar, noon, 124 Sparks. William R. Schmalstieg on "Lithuania After the Revolution."
Physics Colloquium, 3:30 p.m., 55 Osmond Lab. Philip Platzman, AT&T Labs, on "New Directions in X-ray Physics."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Avi Wigderson, Princeton Univ., on "New Directions in Communication Complexity."

Friday, October 18
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. M. Horton, CSRS; A. Webber, USOA-ES, on "USDA Water Quality Research and Extension Programs."
■ Geog. Coffee Hour, 4 p.m., 319 Walker. Peter Gould on "Developmental Tourism: Or Slashing Our Way Through the Green Hell of the Jungle in Jamaica." Refreshments, 3:30 p.m.

Sherri Coil, senior in exercise and sport science, is assistant director of the Penn State International Dancers, which will present a Children's Concert at 2 p.m. Sunday, Oct. 20, in White Building as part of Homecoming '91.

Exhibits

Kern Galleries
Sherry Oberholtzer, hand made baskets, through Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, through Nov. 8.

Palmer Museum of Art and Zoller Gallery
■ SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, through Nov. 17.

Pattee Library
Lending Services Gallery:
Historic photographs, sketches, watercolors from the Centre County Library and Historical Museum, through Oct. 30.

Zoller Gallery
Pennsylvania Metals, through Nov. 3.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather--234; Arts Line--345; University Calendar--456.

■ Reflects an international perspective

Partings

Edgar H. Knapp

Ronald W. Linker

David L. Phillips

Edgar H. Knapp, associate professor of English and education, has retired after 29 years of service.

Dr. Knapp is known for his book *Introduction to Poetry*, an anthology of poems for high school students, as well as for editing and co-authoring a series of high school texts, "Ideas and Patterns in Literature."

He has taught literature and writing courses, as well as educational methods, humanities, American studies and literary criticism. Beyond his classroom teaching, he views his counseling of future English teachers as a rewarding aspect of his tenure at Penn State.

A native of Massachusetts, Dr. Knapp received his bachelor's of arts degree from Wesleyan University, his master's of arts degree from Boston University and a doctor of education degree from Teachers College, Columbia University.

Prior to joining the Penn State faculty in 1962, he taught for 17 years in the secondary schools of Massachusetts when at various times he was head coach of the varsity football, baseball and wrestling teams.

Dr. Knapp is the father of eleven children, including three step-children. Five of his children have graduated from Penn State and two are currently enrolled.

Ronald W. Linker, associate professor of history, has retired after 30 years of service.

Dr. Linker is known for his articles on 18th-century English Catholics, the operation of penal laws against Roman Catholics in Ireland in the 18th Century and John Stuart, third Earl of Bute, who was the controversial prime minister to King George III.

He taught modern British and modern European history. In 1961 he introduced the course "African History" to the curriculum. He is especially proud of the humanities course he taught that covered the relationship between history and the visual arts and was cross-listed with the Art History Department.

In 1967 Dr. Linker won the Class of 1933 Distinguished Teaching in the Humanities Award. He has been the faculty adviser to doctoral and masters candidates in British history and is currently advising advanced degree candidates in British and American history.

Dr. Linker received his bachelor's of arts degree from Columbia College in 1953, his master's of arts degree from Columbia University in 1954 and his doctorate in modern British history from Johns Hopkins University in 1961.

He plans to continue his research on the biography of the third Earl of Bute and his family. Dr. Linker and his wife, Anita, are planning to return to England frequently to carry out further research.

David L. Phillips, director of video communication services in the Office of Telecommunications, has retired after 25 years of service.

Mr. Phillips was responsible for the procurement of the University satellite network and helped pioneer a communications technology called compressed video at the university level. He also was a producer/director at WPSX from 1966 to 1971 and was station manager from 1971 to 1983.

While managing WPSX, he served on the Eastern Educational Television Network Board of Trustees and was involved with the Pennsylvania Public Television Network Commission from 1978 to 1980.

During retirement, Phillips plans to relax, play golf and continue his professional work by writing and consulting.

News in Brief

Parking change
A survey for the Academic/Athletic Convocation and Events Center will be conducted at the gravel parking lot and the Park and Ride lot behind Beaver Stadium Saturday, Oct. 12, and Sunday, Oct. 13.

Please relocate your vehicle to any non- restricted lot on campus by 8 a.m. Saturday, Oct. 12. Vehicles should be returned to the lot after 6 p.m. on Sunday, Oct. 13.

If there are any questions, please contact the Office of Physical Plant or the Parking Office.

Wallops Island weekend
The Penn State Alumni College Adventure Series program set for Oct. 12-14 at Wallops Island, Va., still has openings for anyone interested in exploring these barrier islands. Sponsored by the Penn State Alumni Association, the Wallops Island Weekend is the first program in a new series developed by the Alumni Association and Continuing Education.

Under the guidance of experienced Wallops Island naturalists and William A. Dunson, professor of biology, participants will tour the island's salt marshes, sand dunes and intertidal beaches, as well as go on a research cruise.

To register, contact Donna Ricketts, conference coordinator, Keller Conference Center, at 863-1743.

Bells of Russia
Edward Williams, associate dean for research and graduate studies in the College of Arts and Architecture, will speak on "The Bells of Russia" at 2:30 p.m. Tuesday, Oct. 15, in the International Lounge, 222 Boucke Building.

His talk is part of the International Lecture Series.

Financial Empowerment
The Returning Adult Student Center is sponsoring a program titled "Financial Empowerment: Gaining Control Over Your Personal Finances" at 12:30 p.m. Tuesday, Oct. 15, and 6 p.m. Wednesday, Oct. 16, in 329 Boucke Building at University Park.

Jim Fay, acting associate director, Residence Life, and financial planner, and Ed Messersmith, financial consultant, will present the program focusing on: tips on budgeting; adjusting to and surviving with a limited income; awareness of spending and saving patterns; overview of investments, insurance, home buying programs, and automobile purchase plans.

For more information, contact the Returning Adult Student Center.

Archaeology lectures
The Central Pennsylvania Society of the American Institute of Archaeology will present two lectures this fall in cooperation with the College of Arts and Architecture, College of the Liberal Arts and the Institute for the Arts and Humanistic Studies. They will be held at 8 p.m. in 101 Kern Building at University Park on the following dates:

Thursday, Oct. 17: "New Interpretations of the Forum at Pompeii," John Dobbins, professor of classics at the University of Virginia.

Monday, Dec. 2: "Greek and Roman Statues and Their Afterlife in European Aristocratic Collections," Mette Moltesen, keeper of classical antiquities from the Ny Carlsberg Glyptotek in Copenhagen, Denmark.

IDP brown bag meetings
The Instructional Development Program is inaugurating a new feature--informal, brown bag lunches to talk about teaching.

IDP hopes to organize participants (faculty, teaching assistants, students) into small groups that get together, on a reasonably frequent basis, to begin and continue a dialogue on the experience of teaching at the university level.

If you wish to participate, please call or write a brief note to IDP, 401 Grange Building, University Park, 863-2599.

Promotions

Staff Exempt

Richard W. Brown to supervisor, document control in Applied Research Lab.
John H. Confer to senior applications programmer/analyst in C&IS-Management Services.
Toni J. Duchi to assistant to the dean for public relations in Education.
Carol A. Fee to administrative assistant in Eberly College of Science.
Stephanie D. Ferguson to program and facilities coordinator in Continuing Education.
Valarie J. Kelley to administrative aide in Agriculture
Katharyn L. Kraemer to clinical nurse educator at Hershey.
Robert R. Reifsteck to assistant manager, bus testing and research facility in Research and Graduate School.
Michael J. Leonard, to coordinator of operations/adviser in Undergraduate Education.
Tina M. Taylor to coordinator, academic program at Hershey.
Helen E. Zimmerman to clinical nurse specialist at Hershey.

Staff Non-Exempt

Linda L. Hand to clinical head nurse at Hershey.
Susan S. Kitlan to clinical head nurse at Hershey.
Michelle A. Leopold to research technician at Hershey.
Rosemary E. McClusick to computer support assistant in Undergraduate Education.
Deborah E. Musser to financial assistant at Hershey.
Gloria J. Pitacciato to respiratory therapist at Hershey.
Donna J. Zinn to clinical head nurse at Hershey.

Clerical

Sherrilee Barner to secretary C in Undergraduate Education.
Margaret I. Garman to secretary B at Hershey.
Patricia A. Garrett to clerk, insurance verification at Hershey.
Patricia L. Gibboney to secretary C in Liberal Arts.
La Rue M. Jacobs to secretary B in College of Engineering.
Sally H. Koons to bed control clerk at Hershey.
Kimberlee A. Krysiak to clerk typist A at Behrend College.
Mary A. Metz to secretary B in Smeal College of Business Administration.
Pamela J. Stauffer to secretary B in College of Engineering.
Tammy A. Snook to secretary C in Continuing Education.
Linda J. Urban to clerk, records A at Hershey.
Donna L. Warner to accounting clerk in Agriculture.

Technical Service

Patrick J. Eberling to stock clerk, truck driver in Housing and Food Services.
Jeffrey L. Genslmore to equipment operator in Office of Physical Plant.
Barbara L. Kreiser to utility worker at Hershey.
Lilliam Ledesma to senior instrument processing aide at Hershey.
John H. Meyer to plumber, pipefitter at Hershey.
Robert L. Shank to plumber, pipefitter at Hershey.
Douglas D. Strine to maintenance mechanic A at Hershey.
William S. Speraw to laundry operator at Hershey.
Michael E. Swavely to residence hall utility worker in Housing and Food Services.
Deborah M. Swisher to food preparer A in Housing and Food Services.

Penn Staters

Peter A. Brous, assistant professor of finance, presented a paper, co-authored with Omesh N. Kini, assistant professor of finance, and titled, "The Valuation Effects of Equity Issues and the Structure of Corporate Ownership," at a European Finance Association meeting in Rotterdam, The Netherlands.

Steven W. Burr, doctoral candidate and instructor in leisure studies, received the 1991 Tom and Ruth Rivers International Scholarship from the World Leisure and Recreation Association for attendance at this year's WLRA World Congress in Sydney, Australia, where he also presented a paper.

Patricia A. Dunkel, associate professor of speech communication and director of the Center for English As a Second Language, has been awarded a $34,400 U.S. Department of Defense contract to construct an articulated model of second/foreign language listening comprehension, which can be used to guide development of computer-adaptive tests of second/foreign language listening proficiency.

John J. Romano, campus executive officer of the Penn State York Campus, has been elected president of the Association for General and Liberal Studies (AGLS), a national organization that seeks to enrich the educational experience of America's college and university students.

A journal article co-authored by **Dennis Shea**, assistant professor of health policy and administration, was awarded third prize in the annual Kendrick Awards, sponsored by the International Association for Research in Income and Wealth.

Tamara Vaserstein, lecturer in the Department of Slavic Languages, gave a paper titled "Special Aspects in Teaching Russian Culture and Civilization to American Students" at the conference of the International Association of Teachers of Russian in Volgograd, U.S.S.R.

J. Randall Woolridge, professor of finance; **James A. Miles**, professor of finance, and **Patrick A. Cusatis**, a doctoral candidate in finance, have received best paper honors in the 1991 Financial Management Association Competitive Papers Awards Program for their paper, "The Investment Performance of Spin-offs."

Lucy Yu, professor of health policy and administration, has been elected to a three-year term to the Gerontological Section Council of the American Public Health Association.

25-year award recipients

Observing 25 years of service at the University are, from left, Marsha H. Bierly, administrative aide, Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education in the College of Education; Joseph E. Gilbert, water tunnel model mechanic; Francis G. Quinn, senior research assistant, Systems Engineering Department; Sylvester G. Scott, group feeder security guard, and Joseph Wokeley Jr., research associate, Systems Analysis and Simulation Department, all at the Applied Research Laboratory.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m., Thursday, October 17. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status

■01858, **Materials Procurer/ Expediter, Office of Physical Plant, Facilities Resources Management, University Park Campus** -- Responsible to the manager, Office of Physical Plant Stores, for providing assistance to Office of Physical Plant staff with non-inventory material requests and for requisitioning inventory control and determining stock levels and reorder points for inventory items. Requires associate degree, or equivalent, plus two to three years of effective experience in materials and inventory management to include inventory requisitioning and processing. STAFF GRADE 5.

■01859, **Project Manager, Office of Physical Plant, Hershey Medical Center** -- Responsible to the director, Project Management, for the overall project development and management functions for University renovations, alterations and major maintenance projects. Requires bachelor's degree in architecture or engineering, or equivalent, plus four to five years of effective experience with increasing responsibility in major institutional and/or commercial project and construction administration. Registration as an architect or professional engineer preferred. This is a fixed-term position funded through June 30, 1993. STAFF GRADE 8.

■01860, **Assistant Director, Academic Support Services, President's Office, Office of International Programs, University Park Campus** -- Responsible to the associate director, Education Abroad Programs, for the development and implementation of pre- departure orientation and re-entry programs; for the administration of course accreditation and grade reporting; and for counseling and advising students. Requires bachelor's degree, or equivalent, and one to two years of effective experience. Good communication skills and a familiarity and sensitivity to other cultures also required. STAFF GRADE 6

■01861, **Bookstore Manager, Bookstore, Altoona Campus** -- Responsible to the director, Penn State Bookstore System, for the purchasing, merchandising, and financial aspects in the day-to-day operation of the bookstore to include supervision of all staff. Consult with campus administration, faculty and staff to determine course requirements, including books and special materials. Keep abreast of new trends in the bookstore industry. Requires bachelor's degree, or equivalent, plus twelve to eighteen months of effective experience in business or retailing. STAFF GRADE 7.

■01862, **Director of University Relations, Commonwealth Education System, University Relations, Berks Campus** -- Responsible to the campus executive officer for organizing and conducting a comprehensive University relations program. Organize and conduct a program of public information and relations. Plan and implement annual and long range gift program activities related to campus needs and development. Responsible for organizing and administering an alumni affairs program. Requires bachelor's degree, or equivalent, plus two to four years of effective experience preferably involving newspaper and/or journalistic writing, public relations and fund raising. Relevant experience in higher education is desirable. STAFF GRADE 8.

■01863, **Police Service Officer, Behrend College** -- Responsible to the manager, Police and Safety Services, for the protection of life and property; preservation of peace and good order of the community; enforcement of laws; public safety, and investigative work. Requires an associate degree, or equivalent, in academic credits, plus one to two years of effective law enforcement experience. Similar combinations of education and experience may satisfy the above requirements. Active pursuit of a baccalaureate degree in social sciences is desirable. Individual must be able to work any of three shifts, be able to pass a medical examination and have Act 120 Certification. This position requires physical fitness and psychological tests. STAFF GRADE 5.

■01864, **Business Procurement and Marketing Specialist, Small Business Development Center, Penn State Harrisburg** -- Responsible to the director, Small Business Development Center, for providing assistance to established small business owners in marketing strategies and procurement activities with the government. Requires master's degree, or equivalent, in business or public administration, plus over one year up to and including two years of effective experience in government procurement, preparation of proposals or closely related business research. This is a fixed-term position funded through Sept. 31, 1992, with excellent possibility of re- funding. STAFF GRADE 7.

■01865, **Supervisor, Administrative Services, Facilities and Maintenance Operations, Penn State Harrisburg** -- Responsible to the manager, Facilities and Maintenance Operations, for overseeing the administrative operations of the Penn State Harrisburg physical plant office. Also responsible for computerizing various physical plant reports and data bases. Requires bachelor's degree, or equivalent, in business administration or related field plus one to two years of effective experience in computer programming and operations, personnel budgeting, supply procedures and working knowledge of engineering documents, plans and shop drawings required. Supervisory experience highly desirable. STAFF GRADE 5.

■01866, **Coordinator, Computer and Information Services, New Kensington Campus** -- Responsible for the daily operation of academic and administrative computing facilities of the campus. Maintain operations of computer and computer related laboratories including assisting students and faculty as required. Requires bachelor's degree in computer science plus one to two years of effective experience or associate degree in computer technology or related field plus three to four years effective experience in microcomputer systems, local area networks, programming, etc. STAFF GRADE 6

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by October 17.

■10548, **Clinical Head Nurse, Department of Nursing/6 Hematology/Oncology** -- Responsible to the nursing manager and/or the assistant director of nursing services for performing a variety of nursing duties, as well as providing leadership to nurse clinicians and other patient care personnel. Requires registered nurse with a current license to practice professional nursing in Pennsylvania; plus one to two years of effective nursing experience. Bachelor of science in nursing preferred. STAFF NONEXEMPT, GRADE 5.

■10028, **Systems Programmer, Information Systems** --Responsible to the manager, Information Systems, for the generation and maintenance of programs which control the basic function of the computer. Requires a bachelor's degree or equivalency in a math, computer science, engineering, or business curriculum and 2-4 years of programming experience, preferably technical programming. Also requires a thorough knowledge of DOS/VSE operating system, VM Operation system, and system support software plus a proficiency in IBM Assembly Language and COBOL programming languages. STAFF EXEMPT 7.

■10002, **Manager, Hospital Pathology Services** -- Responsible to the associate hospital director for the proper and efficient management of the administrative functions of the clinical laboratory and anatomic pathology and supervision of all laboratory sections, technical services and programs. Also responsible to the medical director of the Clinical Laboratories and anatomic pathology for the selection of testing methods, quality control, normal ranges and other technical coordination. Requires a bachelor's degree with training in medical technology and certification with ASCP or equivalent, plus six to seven years of effective experience in the management of a Clinical Laboratory. Master's degree preferred. STAFF EXEMPT 8.

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Kathy Garman, Calendar

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INTERCOM

October 17, 1991 Volume 21, Number 9

Hershey gets contract to develop lung assist device

Researchers at the Hershey Medical Center have received a four-year, $1.9 million federal contract to design and develop the next generation of temporary, implantable lung assist devices.

"The goal is to develop a new, totally implantable membrane lung, and solve some of the problems--blood clotting, and infection--associated with current devices," said Michael Snider, professor of anesthesia, and chief of the Division of Respiratory and Intensive Care, who heads the project.

Hershey is the only medical center to date to receive such funding from the National Heart, Lung and Blood Institute.

"We're grateful to Congressman John P. Murtha (D-12th Pa.) for his role in developing funding for a national artificial lung research program through the National Institutes of Health," President Thomas said. "This program has the potential to assist many Pennsylvania coal miners afflicted with black-lung disease."

The Hershey researchers recently participated in the initial clinical testing of the current experimental assist device, called IVOX, or intravascular oxygenator. IVOX's use so far has been limited to desperately ill patients whose lungs have failed, and have little chance of survival.

The device, which uses a mechanical ventilator to help push oxygen through hundreds of tiny porous fibers placed in the lungs, mimics their natural ability to exchange oxygen and carbon dioxide in the blood. IVOX aims to ease the breathing burden on the lungs, helping them rest, and, it's hoped, recover.

While early testing has shown promise, IVOX has a number of drawbacks. The device can handle only about 30 percent of the lungs' gas exchange, Dr. Snider said, and because of a rigid stem, must be surgically inserted, limiting its position in the body.

Dr. Snider proposes a "new generation of miniaturized membrane lungs that will take over 100 percent of the gas exchange requirements." He and colleagues both at Hershey and University Park will soon begin developing a new prototype assist device.

The lungs may fail for a number of reasons, including acute damage from severe infection-- pneumonia, for example, chest injuries, and smoke or chemical inhalation. Other, chronic lung problems include emphysema and pneumoconiosis, or black lung disease.

"The goal is to develop a new, totally implantable membrane lung." —Michael Snider

When a person's lungs fail, physicians frequently use mechanical ventilators to inflate the lungs and deliver oxygen. But the high pressure needed to deliver large amounts of oxygen sometimes can tear or burn the lungs, Dr. Snider said. And EMCO, extracorporeal membrane oxygenation, which entails circulating blood outside the body to oxygenate it, is often hindered by bleeding problems and infection.

Unlike the IVOX, which requires surgery to install in a large vein in the neck, the researchers want to create a flexible device that would be inserted through the skin into the femoral artery in the groin, and snaked through the body's arterial system, positioning it closer to the heart and enabling it to receive nearly all of the heart's oxygen-starved blood supply.

IVOX, located in the inferior vena cava below the heart, sees only 50 to 60 percent of the heart's blood, Dr. Snider said. "The planned prototype differs in the configuration and orientation of its fibers as well as in their coatings."

Much of the project will involve laboratory benchwork and computer situation noted as well as animal testing.

"Although IVOX is the best of the new generation of internal membrane lungs we now have available," Dr. Snider added, "the technology we're developing in the next couple of years may someday serve as a bridge to lung transplants. But we still have a lot of work ahead of us."

Other researchers involved in the project include: **Kane High**, assistant professor of anesthesia; **David Campbell**, associate professor of surgery; **John Stene**, assistant professor of anesthesia; **Hamid Al Mondhiry**, associate professor of medicine; **Gary Russell**, assistant professor of anesthesia; **John Keifer**, assistant professor of anesthesia; **James Ultman**, professor of chemical engineering, and **Russell Richard**, senior bioengineer.

Homecoming events

Homecoming activities are in full swing this week at University Park.

On Friday, Oct. 18, the homecoming parade, led by Lt. Gen. John J. Yeosock, commanding general of the Third United States Army; deputy commanding general-Forces Command, and a 1959 Penn State graduate, will begin from East Halls at 5:30 p.m.

The parade will continue down Bigler Road, across Pollock Road to Shortledge Road on campus and then up East College Avenue to Burrowes Road to finish at the corner of Burrowes and Pollock.

The Candlelight Vigil on the steps of Old Main will begin at about 7:30 p.m. Friday, after the parade. Lt. Gen. Yeosock will speak and a number of singing groups, including

See "Homecoming" on Page 3.

Members of the Penn State Blue Band entertain visitors to Beaver Stadium during a United Way Agency Fair on Sunday, Oct. 13. (Photo: Greg Grieco).

Alcohol Awareness Week is designated

President Thomas has proclaimed Oct. 20-26 as "Alcohol Awareness Week."

Student-run activities, supported by faculty, administration, and local community members, will coincide with National Collegiate Alcohol Awareness Week (NCAAW). Students nationwide are promoting alcohol education, development of student decision-making skills, and positive peer influence.

Now in its seventh year, NCAAW is sponsored by the Inter-Association Task Force on Alcohol and Other Substance Abuse Issues, which represents student affairs professionals across the country.

" 'Alcohol Awareness Week' at Penn State marks a year-round emphasis on alcohol education and recognition of individual accountability for decisions

See "Alcohol" on Page 3.

Focus on Diversity

Commission for Women announces lecture series plans

In celebration of a decade of promoting and supporting the efforts of University women, The Commission for Women is planning a speaker series featuring achieving females who were formerly Penn State leaders.

Beginning Nov. 6 and running through March 30, the commission will host a series of three speakers. Kicking off the series Nov. 6 will be **Rosemary Schraer**, former vice provost at Penn State and now chancellor at the University of California-Riverside.

On Feb. 3, **Kathryn Moore**, former head of the Center for the Study of Higher Education, will speak. She is currently chairperson of the Department of Educational Administration at Michigan State University.

The final scheduled speaker for March 30 is **Carol Cartwright**, former University vice provost and dean for undergraduate education. She is now president of Kent State University.

"These are talented women in leadership positions -- women who came from Penn State," said **Shirley Hendrick**, commission chair and assistant dean in The Smeal College of Business Administration. "It is encouraging to see women with talent of this calibre and we would like to highlight their accomplishments, both past and present."

The Commission for Women is offering the speaker series in an attempt to increase the visibility of the achievements of Penn State women. In the past, the commission has published the Achieving Women booklet recognizing the many accomplishments of Penn State females. The booklet lists women students, faculty, staff, clerical and technical service employees from all Penn State campuses, and is updated annually.

"Although the booklet acknowledges the many outstanding things being done by Penn State women, we need to expand and bring to the forefront the current status of women and where we must go in the future," Dr. Hendrick said.

Susan C. **Youtz**, commission member and assistant director of undergraduate programs in the School of Nursing, said the speaker series is just one way to focus on how women are achieving.

"Women are still underrepresented in nearly every segment of university life, with the exception of the clerical ranks where they are overrepresented. Increasing the visibility of Penn State women is still a priority."

Minority Career Awareness Day

James W. Locker, left, coordinator of equal opportunity and affirmative action programs in the College of Agriculture, and W. Terrell Jones, deputy vice provost, discuss career opportunities for students during the eighth annual Minority Career Awareness Day at University Park. (Photo: Greg Grieco).

Diversity Opportunities Calendar

Saturday, Oct. 19
Office of Minority Faculty Development, 9:30 a.m. to 12:30 p.m., 114 Kern Graduate Building. Workshop titled, "The Process of Being Published," by Emilia Martinez-Brawley, professor of social work. All junior faculty welcome to participate. To make reservations, contact Leah Witzig at 863-1663.
Equal Opportunity Planning Committee and the Department of Human Development and Family Studies, 8 p.m., 10 Sparks Building. Contemporary Scholarship on Lesbian and Gay Lives presentation titled, "Tongues Untied," by Marlon T. Riggs, award winning independent video producer.

Monday, Oct. 21
Office of Student Activities and Religious Affairs, 12:05 to 12:55 p.m., Eisenhower Auditorium. Brown bag lunch, video presentation and discussion titled, "Political Correctness: The Big Chill." Video will feature Stanley Fish, Duke University English department chair, as he discusses the need for diversity on campus and the reactionary backlash against diversity. Following discussion will be led by LaVerne Gyant, Black Studies program interim director.

Wednesday, Oct. 23
PENNARAMA, 12:30 a.m., 6:30 a.m., 12:30 p.m. and 6:30 p.m., Channel 25. Program titled, "Heritage," which illuminates the contributions of Hispanic heritage to the cultural, political and ideological values of contemporary Hispanic Americans.

Office of Student Activities and Religious Affairs, 7:30 p.m., Eisenhower Chapel Memorial Lounge. Lecture titled, "Blacks and Catholicism," by Hope Johnson of the Diocese of Altoona-Johnstown.

Thursday, Oct. 24
Office of the Vice Provost, 8 a.m., Paul Robeson Cultural Center. Open forum with the vice provost for underrepresented groups. Students, faculty and staff are invited to bring questions and concerns. Coffee and donuts will be served.

Groove Phi Groove, 6:30 p.m., Paul Robeson Cultural Center. Film titled, "The Tallest Tree in Our Forest."

Music education lecture to be presented

Barbara Reeder Lundquist, music faculty member at the University of Washington, will present "What in the World Must We Teach? A Transcultural Perspective on Music Education in the 21st Century" at 8 p.m. Monday, Oct. 21, in the School of Music Recital Hall at University Park.

The lecture is part of the series, "Music Today: 1991-92," sponsored jointly by the School of Music and the Women's Studies Program as part of the "Six Feminist Scholars lecture Series." It is co-sponsored by the Center for Women Studies, the Black Studies Program and the Institute for Arts and Humanistic Studies.

Professor Lundquist's work has focused on multi-ethnic and multi-cultural music education from 1959-1971.

The lecture is free to the public.

Barbara Reeder Lundquist

Workshops are set

The Office of International Students will conduct workshops for academic department personnel involved with the admission and maintenance of international students.

The 1991 workshops will take place 10 a.m. Tuesday, Oct. 22, and 10 a.m. and 2 p.m. Wednesday, Oct. 23. The same workshop is repeated three times in order to provide maximum opportunity to attend. All workshops will be held in Room 305 HUB.

The agenda includes discussion on: implications of the new immigration regulations; implications of recent administrative adjustments in the Office of International Students.

'Circle of Recovery'

In Moyers/Circle of Recovery, premiering at 9 p.m. Wednesday, Oct. 23 on WPSX-TV, Bill Moyers visits Kenny Hall, a drug and alcohol counselor for Santa Clara County, Calif., and a circle of men in a voluntary recovery group they formed as an outgrowth of more traditional "12-step" programs.

In the hour-long special, members of the group openly discuss some of the issues-- family, love, sex, racism, and work--that inform of their struggles and achievements as they rebuild their lives.

As Kenny Hall explains, "I'm not a drug addict because of racism. I'm a drug addict because when I put drugs into my body, something happens. But when you remove the drugs, I'm still black. Still 'no good.'

Two Alumni Fellows are named in Arts and Architecture

An architect and a theater acoustical designer have been named Alumni Fellows for the College of Arts and Architecture. Architect **Louis D. Astorino**, F.A.I.A., and acoustical designer **Robert Wolff** will visit the University Park Campus Oct. 22-24 to meet with students and faculty members.

Mr. Astorino is president of L.D. Astorino and Associates of Pittsburgh. The firm has received numerous design awards, including both the Honor Award for Excellence in Design from the American Institute of Architects and the Law Office Design Award from the American Bar Association.

He has held the office of president of the American Institute of Architects, Pittsburgh Chapter, and the Pennsylvania Society of Architects as well as being a Fellow in the American Institute of Architects.

In 1989 Mr. Astorino received the College of Arts and Architecture Alumni Achievement Award. He earned a bachelor of arts degree in architecture from Penn State in 1969.

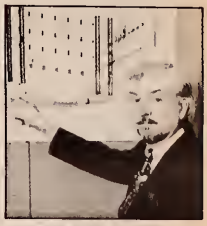
Mr. Wolff is president of Artec Consultants Inc. of New York, an international engineering and consulting firm founded by Russell Johnson and specializing in theater acoustics.

Mr. Wolff has participated in arts facility development projects in Canada, England, Mexico, the Middle and Far East and in the United States. He has collaborated with Mr. Johnson on the acoustical design and theater consulting aspects of concert halls, lyric theater and multi-purpose auditoriums.

Mr. Wolff earned a master of arts degree in theater from Penn State in 1963.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the alumni units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Louis D. Astorino



Robert Wolff

Homecoming

(Continued from Page 1)

the Glee Club, the Singing Lions, the United Soul Ensemble and Phi Mu Alpha, will perform traditional Penn State songs.

Lion Ambassadors will have refreshments for those who help guard the Lion Shrine from rival Rutgers fans during the Nittany Lion Vigil from 10 p.m. to 2 a.m. A number of special Penn State fans, including Sue Paterno, will give support to the guards.

The Homecoming football game with Rutgers begins at 1 p.m. Saturday, Oct. 19, in Beaver Stadium.

Workshops scheduled on:

Writing across the curriculum

The Instructional Development Program and the office for Undergraduate Education have scheduled the following activities for the Writing Across the Curriculum initiative:

Developing Writing- Intensive Course Proposals: A workshop for faculty members interested in assembling the paperwork required for submission will be held from 1 to 3 p.m. Oct. 30 (register by Oct. 23) in Room 401 Grange Building at University Park.

Developing Activities and Assignments for a "W" Course: For faculty interested in either exploring the variety of writing activities prior to submitting a course proposal or for those developing or revising a "W" course, two additional workshops will be held from 3 to 5 p.m. Oct. 21 and from 10 a.m. to noon Nov. 19 (register by Nov. 12) in 401 Grange.

Evaluating Writing-Intensive Courses: For faculty teaching a "W" course currently and in Spring Semester, an "Implementation Strategies Workshop" from 10 a.m. to 3 p.m. Nov. 25 in the Keller Conference Center will combine "this-is-what-I-tried-that-worked" discussions, grading seminars, and discipline-specific sessions as a format to encourage collegial dialogue.

For registration information, contact IDP at 863-2599.

Alcohol

(Continued from Page 1)

regarding use or non-use of alcohol," President Thomas said. "It is in the best interest of students, faculty, administrators, and the community that such decision-making be responsible and well-informed. In addition, we want to encourage a partnership to prevent campus problems associated with alcohol misuse."

"Alcohol Awareness Week" will include various workshops, displays, and activities across the University Park Campus, all aimed at prevention through education and individual responsibility in connection with the use of alcohol.

For more information, call the Drug Education Program for Total Health at 863- 0137.

News in Brief

Fluid dynamics symposium
A "Symposium on Inverse Design and Optimization in Fluid Dynamics and Heat Transfer" will be held Oct. 21 and 22 in 256 Hammond Building at University Park.

The symposium is being organized by George S. Dulikravich, associate professor of aerospace engineering.

Movement skills program
The College of Health and Human Development is offering a free program in basic movement skills and games for children ages 5 through 8, beginning Tuesday, Oct. 22.

The program will be held in Room 126 White Building at University Park from 3:45 to 4:30 p.m. on Tuesdays through Nov. 26. Registration will be held at 3:45 p.m. on the first class day, Tuesday, Oct. 22.

For more information, contact Gillian Rattay, coordinator for elementary physical education, at 863-3451.

History colloquium
Marc Gallicchio, assistant professor of history at Villanova University, will speak on "About Face: American Army Officers and the Chinese Army, 1941-1946" at the Department of History Colloquium at 4 p.m. Wednesday, Oct. 23, in the Memorial Lounge at Eisenhower Chapel at University Park.

'askFred' in Pattee
"askFred," an electronic directory of resources in the University Libraries, has been installed in the main lobby of Pattee Library at University Park.

The new directory provides library users with information about locations, services, materials, and library collections, and runs on a Macintosh computer that includes extensive help screens and colorful graphics to simplify its use.

"askFred," named after Fred Lewis Pattee, professor of English and rhetoric at Penn State in 1894, was developed by the Libraries' Computer Based Resources and Services Team from resources provided through a grant from Apple, Inc.

Office of rural health
To help address health care concerns of rural Pennsylvanians, an office of rural health has been established in the College of Agriculture by the U.S. Office of Rural Health Policy, the Pennsylvania state government and the university. Charles O. Crawford, professor of rural sociology, will direct the office.

"The ultimate goal of the Pennsylvania Office of Rural Health (PORH) is to improve rural residents' access to quality health care, including hospitals, physicians, mental health care and other health-related services," Dr. Crawford said.

He said PORH will serve as a clearinghouse for rural health information and will establish a computer database including information on rural health care, funding opportunities, legislative updates and other relevant items. The office also will provide technical assistance to organizations and communities for help with grant applications, personnel recruitment and alternative health care arrangements.

Archival electronic records

Penn State ventures into project to save valuable data stored on computer tape

(Last in a series)

There's more to University records than the printed word.

In fact, the equivalent of thousands of cubic feet of University records resides on computer tapes and in data bases.

The University's new AD-35 policy on archives and records management services also will have a significant effect on computerized University records.

"While this cache of information is largely out of sight, it represents a growing dilemma for the University," **Lee Stout**, University archivist, said. "We will need some of it in the future, but it currently is at risk of being lost."

According to Mr. Stout, the problem is that magnetic tape is not a permanent medium on which to store information.

To help solve the problem, the University Archives is direching a nationally funded project—"The Electronic Records Appraisal at Penn State" project—to evaluate and preserve the administrative data which is judged worthy of long-term retention.

The project is funded by an $81,000 grant from the National Historical Publications and Records Commission of the National Archives which will enable archivists to make archival and records management policy and procedures operational in the area of administrative computing.

It is being administered by the University Archives with the cooperation of Management Services. **Mark Conrad**, data archivist, is project archivist, while Mr. Stout, **Ronald Hoover**, data administrator, Management Services, and **Jackie Esposito**, assistant University archivist, provide oversight and direction. Mr. Conrad's office is in 31 Shields Building and he can be reached at 865-7931.

The project is concentrating on some 3,000 reels of magnetic computer tapes, some of which are 20 years old. The tapes include data created by the offices of Controller, Registrar, Admissions, Planning and Budget, Student Affairs and the Graduate School among others.

"Some of the tapes may be unreadable because they have deteriorated with age," Mr. Stout said. "In other cases, the documentation needed to interpret the data on the tapes may not have survived. In either situation, there is no point in retaining the tape and the information is lost."

Those tapes that can be read and are documented will be further evaluated to determine if they have archival value. If so, steps will be taken to preserve the information and maintain it for the future.

Barry Weaver, console operator in Management Services, places frequently used computer tapes in a rack

"Penn State is venturing into an area that few universities have explored," Mr. Stout added. "Little has been done in the area of archival electronic records programs, so what we will discover will be of value to the University, as well as other institutions.

"Currently, the universities of Cincinnati, Michigan, Wisconsin, and Florida are involved in similar projects. Even the federal government is struggling to save data from the last 30 years that is stored on computer tape from primitive or discarded systems."

Mr. Weaver works at the IBM 3090 computer system in Shields Building at University Park

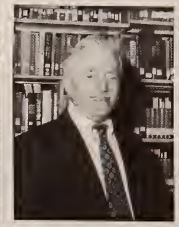
While the current project deals only with the "history" tapes in Management Services, Mr. Stout said the results should be applicable beyond the older data stored on tape.

The University Archives currently is working with administrators of both the ISIS and IBIS systems to help create policies and procedures for the removal of data no longer actively needed in an on-line environment. Some of this data also will be of archival value and eventually will be accessible through the archives for administrative and research purposes.

"Now that we have an official policy on records management and archives," Mr. Stout said, "we can apply it in the area of computerized records. Just as with all other forms of University records, we need to be able to specify how long computerized information should be kept, and what data is archival and worthy of permanent preservation.

"It is expensive to maintain computerized information over long periods of time, and we want to make sure that the investment we make in doing so is only applied to the data that warrant it." — **Bill Campbell**

25-year award recipients



Observing 25 years of service at the University are, from left, Paul B. Agate, assistant professor of exercise and sports science; Melvin R. Brookron, assistant professor of mathematics; Dennis F. Brestensky, associate professor of English; A. Donald Correll, assistant professor of romance languages, and Donald L. Leaphart, assistant professor of business administration, all at the Penn State Fayette Campus.

Private Giving at Penn State

Two major capital projects receive funding boosts

The University has received a $200,000 gift from Robert and Elouise Eberly of Uniontown, together with a matching amount from the Eberly Foundation, for two major capital projects.

The $400,000 donation will be evenly divided between the Academic/Athletic Convocation and Events Center at University Park and the Biomedical Research Building at Penn State's Milton S. Hershey Medical Center.

The research building is under construction, and the Convocation Center is in the planning stages.

"Bob and Elouise Eberly have been generous in their support of Penn State for many years," President Thomas said. "We are very grateful for their most recent gift, which will have an impact far beyond campus boundaries."

Robert Eberly, chairman of the board of Eberly and Meade of Uniontown, is a 1939 graduate of Penn State and manager of the foundation.

"Elouise and I derive a great deal of satisfaction from investing our resources for the betterment of the people of Pennsylvania," he said. "We believe that great research universities such as Penn state are important instruments for serving society, and that they are worthy of philanthropic support."

Elouise Eberly, who is a registered nurse and a trustee of the Uniontown Hospital, serves as a member of the volunteer committee of Penn State's Campaign for Hershey. The campaign aims to raise $10 million in private funds to help build and equip the Biomedical Research Building, and has secured commitments totaling $7.1 million thus far.

The seven-story building is expected to be completed next year and will contain laboratories for the departments of Anesthesia, Medicine, Microbiology and Immunology, Neuroscience and Anatomy, Ophthalmology, Pediatrics, Radiology and Surgery. About $37 million of the building's $47 million cost will come from a bond issue and financial reserves. No state funds will be used.

Artist's rendering of the Biomedical Research Building at Hershey, now under construction.

The University has launched a campaign to raise $20 million in private support for the Convocation Center. The facility, estimated to have a total cost of $50-$55 million, will be used for a variety of academic, athletic, cultural and entertainment events.

Robert Eberly is a member of the campaign's volunteer fund-raising committee and also serves as treasurer of the National Development Council, the University's highest-level fund-raising advisory body.

Previous gifts from the Eberly family have supported Penn State Fayette Campus and science programs at University Park. In 1986, the Eberly Family Charitable Trust gave $10 million to endow faculty chairs and other programs in science. In appreciation, Penn State's Board of Trustees approved the name Eberly College of Science—the first time the University renamed one of its academic colleges to honor a benefactor.

In addition, the State College law firm of **McQuaide, Blasko, Schwartz, Fleming and Faulkner** has committed $50,000 each to the same two campaigns.

The firm has provided legal representation to Penn State for more than 50 years. With a staff of 21 attorneys, it provides legal services in the areas of corporate and business law, estate planning and administration, taxation, real estate, hospital law, personnel and labor relations, technology transfer, domestic relations, and litigation in state and federal courts.

Company provides grant for professor's research work

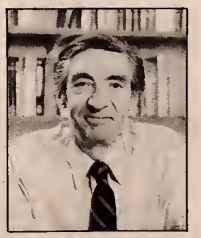
Johnson & Johnson, health products manufacturer, has given a $167,000 grant to support a University chemist's attempt to synthesize new polymers with the potential for use in biomedical research.

Harry R. Allcock, Evan Pugh professor of chemistry, explained that polymers — materials that are widely used in non-medical technology — are being used increasingly in medical science and in controlled pharmaceutical delivery devices.

Dr. Allcock's research program is widely known for its design and synthesis of a broad range of new polymers that are being investigated at Penn State and in other laboratories for use in fields as diverse as aerospace engineering, semiconductors, optical materials and energy storage.

The work supported by Johnson & Johnson is an offshoot of recent developments at Penn State that have yielded new materials for potential use in medicine and biotechnology such as membranes and artificial support devices for the heart, liver and pancreas.

"This grant will enable us to carry out long-range fundamental research on the synthesis of new polymers that may prove to be useful in biomedicine," Dr. Allcock said. "We are very grateful to Johnson & Johnson for their support of our program. It will allow us to develop some new lines of research that would be difficult to pursue without an industrial sponsor."



Harry R. Allcock

College of Engineering receives software donation from Indianapolis computer firm

Pritsker Corp. of Indianapolis has donated computer software worth $241,400 to the College of Engineering.

Pritsker develops and markets a complete line of simulation-based software products that provide decision support for the design and control of manufacturing systems. Founded in 1973 by A. Alan B. Pritsker, president and CEO, the company has more than 4,600 product installations around the world.

"We're delighted to contribute to the computer-aided industrial research in the College of Engineering," Dave Wortman, Pritsker vice president of marketing and planning, said. "Our software is ideally suited to the demands of complex research projects, and we feel this partnership offers an opportunity to get timely feedback on the applicability of the systems in a research environment."

The SLAM/TESS and SLAMSYSTEM software systems will be used by **Jose Ventura**, assistant professor of industrial and management systems engineering, in research funded by a National Science Foundation Presidential Young Investigator Award. The Pritsker gift provides matching funds for the NSF award.

Dr. Ventura is simulating the implementation of machine vision inspection stations in computer-integrated factory environments.

SLAMSYSTEM is the first fully integrated simulation system for advanced personal computers and can complete an entire simulation project, from model building to analysis and results presentation, without leaving the system. The software runs on IBM PC 286/386.

SLAM/TESS provides data management capabilities, increases the user's ability to effectively perform in-depth analyses and offers the flexibility and power to build models to any level of detail required. It runs on DEC-Vax minicomputers and DEC, Sun and Apollo workstations.

Focus on the arts

Archaeology lecture

John Dobbins, archaeologist from the University of Virginia, will present a lecture, "New Interpretations of the Forum at Pompeii," at 8 p.m. Thursday, Oct. 17, in Zoller Gallery at University Park.

Dr. Dobbins will reassess the dates assigned to each building in the city center and will challenge the view held by many archaeologists that the Forum at Pompeii was largely unfinished when the city was destroyed by the eruption of Vesuvius in 79 A.D.

The slide-illustrated lecture series is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America, the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts and the College of Arts and Architecture.

The arts on Channel 3

"Swinging Out with Harry: Harry Connick Jr., and His Orchestra," featuring the brilliant young pianist/singer and his 16-piece ensemble, encores on Great Performances at 9 p.m. Friday, Oct. 18, on WPSX-TV. The New Orleans dynamo recorded the telecast last year during his standing-room-only, cross-country tour.

American Masters presents "John Hammond: From Bessie Smith to Bruce Springsteen" airing at 9 p.m. Saturday, Oct. 19. The performance documentary reviews legendary record producer John Hammond's influence on five decades of American music.

Featured Authors

The Penn State Bookstore on campus will host two University alumni as featured authors on Friday, Oct. 18, as part of Homecoming Weekend.

Attorney Paul J. Levine, author of a new suspense novel, *Night Vision*, will be at the bookstore from noon to 2 p.m. to discuss *Night Vision*, as well as his debut novel *To Speak For The Dead*, released last year by Bantam Books and now available in paperback.

Mr. Levine is a Miami trial lawyer, journalist, teacher and bestselling author. Prior to becoming a lawyer, he was a reporter for the Miami Herald.

Dr. Pamela A. Kopen, a pediatric radiologist, who has written and illustrated a book for children, *Read to Me–Just One More Book*–will sign and discuss her book from 3 to 5 p.m.

Dr. Kopen has put the book's verse to music and she also uses American Sign Language when reading the book to an audience. A graduate of Lafayette College, she completed pre-med requirements at Wilkes College and earned her M.D. from the Hershey Medical Center.

"Standing Horse," a glazed earthenware horse, is October's 'Art to Go' exhibit.

Holiday greeting cards

The Four Diamonds Fund at the Hershey Medical Center is again selling holiday greeting cards.

The cards, drawn by patients who have benefitted from the Four Diamonds Fund, are now available and cost $8 for a pack of 20. This year cards were drawn by Travis Knop, 17, of York, Heather Osborne, 14, of Duncannon, Nicholas Zepp, 9, of State College, and Carrie Myers, 4, of Harrisburg.

The Four Diamonds Fund benefits children with cancer and their families. The fund was established in 1972 by the parents of Christopher Millard, after he died of cancer at 14.

Cards can be picked up at Penn State's Communication Building, 140 Sipe Avenue, Hershey; the Hershey Medical Center's gift shop, or the Penn State Bookstore on campus at University Park. Cards also can be mailed for an additional cost of $3 per packet.

Orders can be placed at Hershey's Office of University Development by calling (717) 531-6865. Callers can leave their order on an answering machine. Mail orders should be sent to the Office of University Development, P.O. Box 852, Hershey, PA 17033. A check made payable to "The Four Diamonds Fund" for the full amount of the order is required before cards will be mailed. For additional information please call (717) 531-6086.

'Art to Go'

"Standing Horse," a glazed earthenware horse from the Palmer Museum of Art's permanent collection, is being exhibited in the lobby of the Allen Street and Calder Way branch of Peoples National Bank in State College.

The exhibit is part of "Art to Go," an exhibition of works of art from the Museum's permanent collection. "Art to Go" is sponsored by the Friends of the Palmer Museum of Art.

This ceramic piece illustrates the T'ang Dynasty's emphasis on fine breeds of horses and equestrian portraits. The eighth century in China is noted for its sophisticated ceramic figurines. "Standing Horse" is lead-glazed in a technique called Sancai, characterized by blue, brown, green and amber colors.

"Standing Horse" will be on exhibit throughout the month of October.

Children's Concert

The Penn State International Dancers will present a Children's Concert as part of Homecoming '91 at 2 p.m. Sunday, Oct. 20, in the White Building Dance Theatre at University Park.

A new dimension has been added to the International Dancers repertoire for their 14th season opening performance by inviting Virginia Glon and John Lentowski, students at the Park Forest Elementary School, to dance a Krakowiak number as part of the Company's Polish Suite.

Following the concert, there will be an opportunity for children, along with parents and friends, to experience introductory folk dances with Company members.

Tickets may be purchased from Company members, 105 White Building, or by calling 863-3467. General admission is $4.00 and student admission is $3.00.

The Penn State International Dancers, sponsored by the Department of Exercise and Sport Science in the College of Health and Human Development, were founded and are directed by Elizabeth Hanley, assistant professor of exercise and sport science.

Penn State prints

"Thirty Years of Prints from Penn State" will be on view in Chambers Gallery at University Park beginning Monday, Oct. 21.

The exhibition, which runs through Friday, Nov. 22, contains woodcuts, lithographs, monoprints, intaglio prints and screen prints selected by School of Visual Arts faculty members from the printmaking area's collection of undergraduate and graduate works done in the last 30 years.

Chambers Gallery is in the lobby of Chambers Building. Gallery hours are 8 a.m. to 5 p.m. Monday through Friday.

'Blood Knot'

The Acting Company, the John F. Kennedy Center's national repertory theater ensemble, will perform the play "Blood Knot" by Athol Fugard at 8 p.m. Wednesday, Oct. 23, in Eisenhower Auditorium at University Park.

Set in the black township Korsten, near Port Elizabeth, South Africa, "Blood Knot" explores the relationship between two brothers living in a one-room shanty.

Zack, illiterate and dark-skinned, works as a watchman, facing bigotry and racism every day. Morris, educated and light-skinned, often is mistaken for a white man, a mistake he has used to his advantage. The difference in the men's skin tone affects their lives, dreams and brotherhood.

As part of the free lecture series "Artistic Viewpoints," a company member will discuss the play in the Greenroom of Eisenhower Auditorium at 7 p.m.

Odyssey on WPSU

Alexander Pope's poem "The Rape of the Lock" is "so witty and bright, so apparently merely sparkling, and in fact gravely serious – and loving," says John Buck, assistant professor of English, on the next episode of Odyssey Through Literature.

On "The Lesson of the Lock," he and host Leonard Rubinstein, professor emeritus of English, discuss a new reading of the classic poem, a reading Professor Buck was schooled in by one of his undergraduate students.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Pennsylvania Quintet

The Pennsylvania Quintet, Penn State's resident faculty wind ensemble, will premiere "Wind Quintet," a new work by Nicholas Thorne at 8 p.m. Wednesday, Oct. 23, in the School of Music Recital Hall at University Park. The work was commissioned by the Pennsylvania Quintet.

The program also will include quintets by Jan Pieters Sweelinck and Endre Szervansky. The quintet will be joined by School of Music faculty members James Lyon, violin; Donald Hopkins, violin; Kim Cook, cello; and Michael Wang, bass: for a performance of Ludwig Spohr's "Grand Nonetto," Op. 31.

Mr. Thorne has completed 25 commissioned works in the past 10 years for organizations such as the Philadelphia Orchestra, the New York Chamber Symphony, the Saint Paul Chamber Orchestra, the Koussevitzky Foundation in the Library of Congress, the New York New Music Ensemble and Collage.

The Pennsylvania Quintet consists of School of Music faculty members Eleanor Duncan Armstrong, flute; Barry Kroeker, oboe; Smith Toulson, clarinet; Lisa O. Bontrager, horn; and Daryl Durran, bassoon.

Members of the audience are invited to meet Mr. Thorne at a reception in the

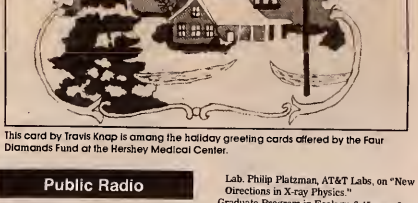
See 'Arts' on Page 9.

University Park Calendar

October 17 -- October 27

Special Events

Thursday, October 17
Concert, noon, 1st floor, Kern Lobby. "Mellow Jazz."
Bach's Lunch, 12:10 p.m.-12:30 p.m., Eisenhower Chapel. Penn State Concert Choir.
Friday, October 18
Homecoming parade 5:30 p.m.; candlelight vigil 7:30 p.m., Old Main.
■Center for the Performing Arts, 8 p.m., Eisenhower Aud. Bamberg Symphony Orchestra.
Saturday, October 19
Shaver's Creek, 2-3:30 p.m., The Winged Hunters. Call 863-2000.
Penn State Glee Club Homecoming concert, 7:30 p.m., Schwab. Aud.
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., 10 Sparks. Marlon T. Riggs, award-winning independent video producer, Univ. of Calif., Berkeley, on "Tongues Untied."
Sunday, October 20
Alcohol Awareness Week Oct. 20-26.
Shaver's Creek, 1-5 p.m., Halloween Trail Cast Training. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., 108 Wartik. *On the Waterfront* (1954); 9 p.m., *Mean Streets* (1962). Free.
Monday, October 21
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Judy Stephens on "The Anti-Lynch Play. Race, Gender and Social Protest in American Drama."
Six Feminist Scholars Lecture Series, 8 p.m., Recital Hall. Barbara Reeder Lundquist, Univ. of Wash., Seattle, on "What in the World Must We Teach? A Transcultural Perspective in Music Education in the 21st Century."
School of Music, Music Today, 1991-1992, 8 p.m., Recital Hall. Barbara Reeder Lundquist, Univ. of Wash., on "What in the World Must We Teach? A Transcultural Prospective in Music Education in the 21st Century."
Tuesday, October 22
■Workshop for academic department personnel involved with international students, 10 a.m.-noon, 305 HUB. Also Oct. 23, 10 a.m.-noon and 2-4 p.m.
■Lecture, 8 p.m., 112 Walker. Raquel Chang-Rodriquez, City College, City Univ. of N.Y., on "Atahuaipa Through the Looking- Glass of Spain and America."
Wednesday, October 23
CWS Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Boucke. Paula Ann Fricken, Counseling and Psychological Services (CAPS), on "Healing the Wounded Daughter II."
Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Acting Company in Blood Knot.
URTC, 8 p.m., Pavilion Theatre. Trojan Women (student preview). Also Oct. 24.
School of Music, 8 p.m., Recital Hall. Pennsylvania Quintet.
Thursday, October 24
"Enlightening Lunches Series," brown bag wellness seminar, noon, Paul Robeson Cultural Center. "Alcohol and Drugs in the 90's."
Bach's Lunch, 12:10 p.m.-12:30 p.m., Eisenhower Chapel. Penn State Chamber Singers.
Shaver's Creek, 7-9 p.m., Pumpkin Carving. Call 863-2000.
Friday, October 25
Concert, noon, 1st floor, Kern Lobby. Gordon Law and friends.
Shaver's Creek, 7-10:30 p.m., Halloween Trail. Also Oct. 26, 7-10:30 p.m.; Oct. 27, 6-9:30 p.m. Call 863-2000.
■Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ballet Folklorico de Mexico, choreographed by Amalia Hernandez.
URTC, 8 p.m., Pavilion Theatre. Trojan Women, through Nov. 2.
Sunday, October 27
School of Music, 2 p.m., Recital Hall. Opera Workshop.
Carnegie Hall Film Series, 7 p.m., *Murmur of the Heart* (1971); 9:15 p.m., *The Go Between* (1971), 108 Wartik. Free.



This card by Travis Knap is among the holiday greeting cards offered by the Faculty Diamonds Fund at the Hershey Medical Center.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Oct. 21-23. Pa. Facility Managers Association (PFMA). James Tomlinson, chair; Norm Lathbury, coordinator.
Oct. 21-23. Motor Fleet Accident Investigation Workshop. Eric Loop, coordinator.
Oct. 21-25. CWA Local 13000. Richard Hindle, chair; Norm Lathbury, coordinator.
Oct. 22. Pa. Bar Institute: Anatomy and Medical Records. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Oct. 23-25. Motor Fleet Advanced Accident Investigation. Eric Loop, coordinator.
Oct. 24. Pa. Bar Institute: Americans with Disabilities Act. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Oct. 24- 25. U.N. Stamp Expo '91. Jack Sinclair, coordinator.
Oct. 24 25. PRIOE Advisory Board. Jack Sinclair, coordinator.
Oct. 24-25. Cooperative Vocational Education. Frederick Welch, chair; Chuck Herd, coordinator.

Seminars

Thursday, October 17
Polymer Science, 9 a.m., 301 Steidle. A. Chakraborti, Univ. of Calif., Berkeley, on "Near Surface Structure and Dynamics of Strongly Interacting Polymer-Solid Interfaces."
Ceramic Science, 11:15 a.m., 301 Steidle. Robert Laudise, AT&T Bell Labs., on "Materials Chemistry-Quartz and KTP." Refreshments, 11 a.m.
■Slavic Center Luncheon seminar, noon, 124 Sparks. William R. Schmalstieg on "A Recent Visit to Lithuania."
Physics Colloquium, 3:30 p.m., 55 Osmond Lab. Philip Platzman, AT&T Labs, on "New Directions in X-ray Physics."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Celeste Jarvis on "Modeling Forest Succession Using Multitemporal Satellite Data."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Avi Wigderson, Princeton Univ., on "New Directions in Communication Complexity."
Friday, October 18
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. M. Horton, CSRS; A. Webber, USOA-ES, on "USOA Water Quality Research and Extension Programs."
■Geog. Coffee Hour, 4 p.m., 319 Walker. Peter Gould on "Developmental Tourism: Or Slashing Our Way Through the Green Hell of the Jungle in Jamaica." Refreshments, 3:30 p.m.
Monday, October 21
Symposium on Inverse Design and Optimization in Fluid Dynamics and Heat Transfer, 254 Hammond. Also Oct. 22.
Tuesday, October 22
Plant Pathology, noon-12:50 p.m., 112 Buckhout Lab. Gary Moorman on "Biotrytis in Greenhouse Crops."
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Ralph T. Yang, State Univ. of N.Y. at Buffalo, on "New Sorbents for Gas Separations and Purification."
Chemistry Colloquium, 3:30 p.m., 55 Osmond Lab. W. Carl Lineberger, Univ. of Colorado, on "Chemistry of Cluster Ions."
Acoustics, 4 p.m., ARL Classroom, Applied Science Bldg. Dennis K. McLaughlin on "Experiments in Super-Sonic Jet Noise."
Wednesday, October 23
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. David J. Green on "Micromechanics of Failure in Ceramic Materials."
■History Colloquium, 4 p.m., Memorial Lounge, Eisenhower Chapel. Marc Gallicchio, Villanova Univ., on "About Face: American Army Officers and the Chinese Army, 1941-1946."
Thursday, October 24
Polymer Science, 9 a.m., 301 Steidle. Bryan Sauer, E.I. du Pont de Nemours and Company, Inc., on "Surface Tensions of Polymer Melt Systems."
Physics Colloquium, 3:30 p.m., 55 Osmond Lab. Shoudan Liang on "Statistical Mechanics and Optimization Problems."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Alan Taylor on "Dynamics of Conifer/Bamboo Forest in Southwest China and Implications for Panda Conservation."
■Seminar, 3:45 p.m., 101 Kern. Roger Cresser, Australian Defense Science and Technology Organization, on "The Defense Science-Industry Nexus in Australia."
Gerontology Colloquia, 4-5 p.m., 106 Mitchell. Barry Rovner, Thomas Jefferson Univ., on "Prevalence of Mental Disorders in Nursing Homes and New Approaches to Care."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. H.V. Jagadish, AT&T Bell Labs, on "Ode as an Active Database: Constraints and Triggers."
Friday, October 25
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Tom Hoffman on "The Effect of Two Barley Yellow Dwarf Isolates on Five Cultivars of Winter Barley and Wheat."
Geog. Coffee Hour, 4 p.m., 319 Walker. Diana Shenk on "Meyer Bernstein: A Study in Labor Organizing through Photographs." Refreshments 3:30 p.m.

Exhibits

Chambers Gallery
Undergraduate Printmaking Exhibition, Oct. 21-Nov. 22.
HUB Galleries
Browsing Gallery:
Greg Grieco, photography, through Nov. 3.
Kern Galleries
Sherry Oberholtzer, hand made baskets, through Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, through Nov. 8.
Palmer Museum of Art and Zoller Gallery
■SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, through Nov. 17.
Pattee Library
Lending Services Gallery:
Historic photographs, sketches, watercolors from the Centre County Library and Historical Museum, through Oct. 30.
Rare Books Room:
■"The Berlin Wall: Symbol and Literary Inspiration," through Oct. 23.
East Corridor Gallery:
Rina Banerjee, "Significant Form," through Oct. 31.
West Lobby Gallery:
Adrienne Waltking, "Homeless in America," through Nov. 10.

■**Reflects an international perspective**

Appointments

Edward P. Dankanich

Edward P. Dankanich has been appointed manager of facilities and maintenance operations at Penn State Harrisburg.

Mr. Dankanich, formerly facility manager at Bell and Howell in Allentown, will be responsible for managing a number of facility operations, including utility, buildings and grounds, renovations and construction and housekeeping.

He holds a bachelor's degree in industrial engineering from Penn State and a master's degree in business administration from York College.

Stuart H. Mann

Stuart H. Mann has been named director of the new School of Hotel, Restaurant, and Recreation Management. A faculty member at the University since 1970, he had been acting director of the former School of Hotel, Restaurant, and Institutional Management for the past year.

The new school, approved by the University Board of Trustees last month, combines the former School of Hotel, Restaurant, and Institutional Management and the former Department of Leisure Studies. The merger consolidates Penn State's strengths in hospitality, and is designed to help the University capitalize on growing national and international interest in commercial recreation, travel, and tourism.

Dr. Mann, professor of operations research, joined the Hotel, Restaurant, and Institutional Management faculty in 1986. Before that, he was affiliated with the former departments of Man-Environment Relations and Community Studies.

His administrative experience includes three years as head of Man-Environment Relations, three years as chair of the intercollege program in Operations Research, and two years as assistant dean for research and graduate studies in the former College of Human Development.

He also has been a member of the University Faculty Senate and of the Graduate Council, and chair of the Faculty Senate committee on curricular affairs. In 1984 he received his college's Evelyn R. Saubel Faculty Award for commitment to human service and to helping students.

Gary L. Messing

Gary L. Messing, professor of ceramic science and engineering, has been appointed director of the Center for Particle Science and Engineering, succeeding Robert Santoro, professor of mechanical engineering.

Dr. Messing has been a member of the faculty of the Department of Materials Science and Engineering since 1980. An elected fellow of the American Ceramic Society and associate editor for the ACS Journal, he has co-authored more than 80 papers and co-edited six books, including the widely known Ceramic Powder Science Series. His research interests include powder synthesis and the role of chemistry in inorganic phase transformations and sintering.

The Center for Particle Science and Engineering was established in 1987 as an Intercollege Research Program to address the research needs of industries involved with products made up of particles. These include a wide range of common items such as herbicides, pelletized and crystalline industrial chemicals, granular fertilizers, detergents, food products (sugar and flour, for example) metal powders, ceramics, photographic emulsions, organic pigments, and, at the finer scales, metal catalysts and fumed silicas.

The center's 20 faculty members from the colleges of Agriculture, Engineering, Science, and Earth and Mineral Sciences provide an exceptionally broad range of expertise in particle research.

The center currently is headquartered at 119 Steidle Building, University Park.

Sara Pennak

Sara Pennak has been named assistant to the dean for administration in The Smeal College of Business Administration.

Ms. Pennak, who earned both bachelor of science and master of public administration degrees from the University of Washington, is the first person to hold the newly created position.

She will manage activities associated with the dean's administrative and executive responsibilities, oversee the effective operation of the dean's office and analyze the environment in which The Smeal College and other business schools operate.

Prior to joining the college staff, Ms. Pennak served for two years as assistant project coordinator with the Institute of Policy Research and Evaluation and Center for Applied Behavioral Sciences. Before that, she was project manager with the University's Center for Health Policy Research, project coordinator with the Nursing Home Project at Penn State and a research assistant for the AARP Public Policy Study.

At the University of Washington, Ms. Pennak conducted research projects in the fields of health and medicine.

Cable executive to present Levenson lecture

James A. Chiddix, senior vice president, engineering and technology for American Television and Communications Corp. (ATC), Stamford, Conn., will present the 1991 Donald W. Levenson Memorial Lecture in Cable Engineering in the College of Engineering.

His presentation, titled "The Evolution of Today's Cable Television Network into Tomorrow's Broadband Communications Infrastructure" will be presented at 2:30 p.m. Tuesday, Oct. 29 in 507 Keller Conference Center at University Park.

During his two-day visit, Mr. Chiddix will visit with engineering students and faculty, tour laboratories, and present both the lecture and a teleconference. The teleconference will be broadcast by satellite to colleges and universities and cable systems for one hour beginning at 11 a.m. Wednesday, Oct. 30.

Mr. Chiddix is responsible for corporate engineering activities as well as research and development for ATC, which serves 4.6 million subscribers in 33 states and is 82 percent owned by Time Warner, Inc.

He has been instrumental in developing ATC's "fiber backbone" concept for optical trunking, which has gained wide acceptance as an evolutionary approach, offering the prospect of improved performance and increased channel capacity for existing cable systems.

This will be the third in the Levenson Memorial Lecture series made possible by an endowed grant from Mrs. Ethyl Levenson of Wheeling, W.Va., to The National Cable Television Center and Museum and Penn State in memory of her late husband, a pioneer and innovative engineer in cable television.

Bookshelf

Martha J. Kolln, associate professor of English, is the author of *Rhetorical Grammar: Grammatical Choices, Rhetorical Effects*, published by MacMillan.

Rhetorical Grammar is designed to complement a primary rhetoric text or reader. It is intended to stimulate class discussion on such issues as sentence focus and rhythm, cohesion, reader expectation, paraphrase, diction and revision. The book provides a positive and functional point of view and presents it as an important tool for the writer.

Faculty/Staff Alerts

Catalog available
A new edition of the "Media Restricted to Penn State" catalog is now available from Audio-Visual Services. More than 700 programs are listed in this reference source, and each title is available for classroom use at no charge to University faculty members.

Copies of the catalog have been distributed through campus mail to University Park instructors. Additional copies may be obtained in 26 Willard Building and at Special Services Building off Fox Hill Road. To receive a catalog through campus mail, call 863-3103. At a Commonwealth Campus, contact the campus instructional services specialist.

Courses For Faculty and Staff
The Human Resource Development Center has openings in the following courses. Call the center at 865- 3410 for registration information.

Managing Change with Situational Leadership You'll examine the dynamics associated with each of the four levels of change and learn four successive leadership styles -- **Directing, Coaching, Supporting** and **Delegating** which enable leaders to guide and empower people through times of change; meets Tuesday, Nov. 5, from 9 a.m. to 4 p.m.; cost: $55.

Introduction to Mediation Participants will learn the differences between mediation and other processes for resolving disputes as well as the stages of mediation, from problem identification to acceptable solutions; meets Wednesday, Nov. 6, from 9 a.m. to 4 p.m.; cost: $55.

Dealing with the "Difficult" People You will learn to recognize the categories into which your "difficult people" fall, learn strategies for dealing with each category, and learn to recognize and prevent the development of problem relationships. Meets Thursday, Nov. 7, from 1:30 to 4:30 p.m.; cost: $55.

Interviewing Provides clerical employees with updated information and techniques for effective interviewing through improved communication skills; for new and established employees; meets on Monday, Nov. 11, from 9 a.m. to 11 a.m.

Proofamatics Designed to reduce errors in proofreading by teaching participants how to proofread through a series of scans rather than reading word for word. Meets for four sessions on Mondays and Wednesdays beginning Nov. 11 to Nov. 20, from 1:30 to 3:30 p.m.; cost: $125.

Telephone: Putting Your Best Voice Forward Designed to improve your telephone communication skills. Applicable to anyone who answers or deals with people on the telephone. Meets Tuesday, Nov. 12, from 1:30 to 4:30 p.m.; cost: $35.

Defensive Driving - 4 Designed to help you save your time, money, and life by showing you how to avoid the needless pain of accidental injury and the needless expense of traffic tickets. Meets Wednesday, Nov. 13, from 9 a.m. to noon; cost: none.

Sexual Harassment - Intent vs. Impact Learn to identify the differences between friendly behavior and subtle sexual harassment in the workplace. Prepare yourself with the knowledge and skill to avoid or disarm a work environment that is sexually hostile. Meets Thursday, Nov. 14, from 8:30 to 11:45 a.m.; cost: none.

Coping Strategies for Working in a Predominantly White Environment Will focus on the sharing of experiences, strategies, skills, and coping mechanism used by ethnic minority staff who have maintained their cultural identity and values, and have achieved a level of success at Penn State. Participants may register for one, more than one, or all of the sessions. Meets Thursday, Oct. 17, from 3:30 to 5 p.m.; cost: none.

Office relocation
The Pennsylvania Commission on Sentencing, directed by John H. Kramer, will be relocating on Oct. 15, to Edward Building at 2029 CATO Avenue, State College. The Edward Building is located across the street from WTLR Radio Station in CATO Park.

The Commission will retain its present telephone number of 863-2797 and interoffice mail need only signify the address as Edward Building.

Obituaries

Philip Young, Evan Pugh professor emeritus of English, died Oct. 4. He was 73.

A leading authority on Ernest Hemingway, his books included *Ernest Hemingway* (1952), revised as *Ernest Hemingway A Reconsideration* (1966), *Three Bags Full* (1972), *Revolutionary Ladies* (1977), and *Hawthorne's Secret: An Un-told Tale* (1984). A new book, *The Private Melville*, is forthcoming from the Penn State Press.

He also was a Fulbright Scholar and a Fellow of the Institute for the Arts and Humanistic Studies, in 1957, he was a State Department lecturer on modern American literature on assignment abroad.

From 1942-1946 he served as First Lieutenant, Field Artillery, in the European Theatre, where he earned the Air Medal and three battle stars.

Virginia M. Jones, clerk accounting A, Eberly College of Science, from Sept. 18, 1978, until her retirement Dec. 8 1989, died Sept. 16. She was 65.

T. Boyd Way, building inspector, Office of the Physical Plant, from Dec. 19, 1933, until his retirement July 19, 1969, died Sept. 26 at the age of 77.

William E. Abbott, records officer, University Safety, from May 18, 1969, until his retirement April 1, 1987, died Sept. 25. He was 66.

Nora F. Wilson, baker, Nittany Lion Inn, from Oct. 1, 1932, until her retirement March 1, 1962, died Sept. 11. She was 92.

H. Wayne Evans, foreman, utilities, Penn State-Harrisburg, from Aug. 14, 1967, until his retirement March 1, 1988, died Aug. 31 at the age of 69.

Focus on the arts

Continued from Page 6.
School of Music lobby following the performance. The concert and reception are free to the public.

Berlin Wall exhibit

The Rare Books Room in Pattee Library will feature the exhibit, "The Berlin Wall: Symbol and Literary Inspiration," through Oct. 23. The exhibit is mounted in conjunction with the October 10-12 conference on the Berlin Wall organized by the Department of German.

Featured in the exhibit are earlier photos of the Berlin Wall, taken when the wall was in place, contrasted with a few photos displaying the fall. Also featured are posters, including one of the rock group, Pink Floyd, and novels and poetry inspired by the wall.

Chamber Singers

The Penn State Chamber Singers will perform in concert at 12:10 p.m. Thursday, Oct. 24, in the Helen Eakin Eisenhower Chapel at University Park. The 20- minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include selections by Vittoria and Morales, Renaissance Spanish composers.

Mexican ballet

Ballet Folklorico de Mexico, a dance group directed and choreographed by Amalia Hernandez, will perform at 8 p.m. Friday, Oct. 25, in Eisenhower Auditorium at University Park.

This show, sponsored by the Center for the Performing Arts, is part of the troupe's first tour of the United States in 10 years.

Ballet Folklorico is the leading folk dance company of Latin America and an official cultural ambassador of Mexico. Hernandez's dances are inspired by the many different cultures--African, European and Native American--that have shaped Mexico's identity. Fiestas, congas and mariachis are complemented by opulent native costumes.

A member of Ballet Folklorico will discuss the evening's performance in the Greenroom of Eisenhower Auditorium at 7 p.m., as part of the "Artistic Viewpoints" lecture series.

Artist to lecture

Artist Rina Banerjee will discuss her exhibit, "Significant Form," during a lecture at 2 p.m. Friday, Oct. 25, in the Tower Room (C401) in Pattee Library at the University. Her exhibit is on display through Oct. 31 in the East Corridor Gallery of Pattee.

'Trojan Women'

The University Resident Theatre Company will present Euripides' tragedy, "Trojan Women," at 8 p.m. Friday, Oct. 25, in the Pavilion Theatre at University Park.

Considered Greek tragedy at its finest, "Trojan Women" is the story of passion, bitterness and irony launched by the squabbling of a petty couple.

The play will run through Saturday, Nov. 2. Shows are at 8 p.m. with Saturday matinee performances at 2 p.m. Oct. 26 and Nov. 2. Student previews are at 8 p.m. Wednesday, Oct. 23 and Thursday, Oct. 24. For ticket information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

HUB Browsing Gallery

An exhibit of photography by Greg M. Grieco is on display in the Browsing Gallery of the Hetzel Union Building at University Park through Nov. 3.

The exhibit consists of recent color and black- and-white photographs by Mr. Grieco, photojournalist in the Department of Public Information.

Bookshelf

David Bressoud, professor of mathematics in the Eberly College of Science, is the author of *Second Year Calculus From Celestial Mechanics to Special Relativity*.

Published by Springer-Verlag, New York and Berlin, the book is part of "Readings in Mathematics," a series that includes textbooks from the undergraduate level to the more advanced graduate level.

Dr. Bressoud's 400-page book explores the history of multi-variable and vector calculus from the time of Isaac Newton's "Mathematical Principles of Natural Philosophy" to Albert Einstein's Special Theory of Relativity. In modern-day terminology, he explains how to compute orbits and rocket trajectories, model flows and force fields, and derive the laws of electricity and magnetism.

Charles Cantalupo, associate professor of English at the Penn State Schuylkill Campus, is the author of *A Literary Leviathan: Thomas Hobbes's Masterpiece of Language*.

A Literary Leviathan, Dr. Cantalupo says, "is a commentary that examines the literary style and content of Thomas Hobbes's 17th century political masterpiece Leviathan.

Leviathan, which first appeared in print in 1651, has been widely read and written about from the standpoint of philosophy, political science, history, psychology, theology and phenomenology, but according to Cantalupo, Hobbes's original work can also be read and enjoyed as literature.

By writing this "literary" book on Hobbes, Dr. Cantalupo says he "sought the end of Hobbes's critical internment as a philosopher, and gave him his freedom as a literary artist and writer."

Dr. Cantalupo says he hopes A Literary Leviathan will dispel any doubts that although Hobbes was one of the most hardboiled, conservative, and bigoted writers who ever appeared in England, he was also a 17th Century literary power to be compared with the great poet John Milton.

Penn Staters

A. Welford Castleman Jr., Evan Pugh professor of chemistry, presented an invited talk, "Clusters: Dynamics of Ionization and Dissociation," at the First International Conference on Atomic and Molecular Dynamics in Taiwan. He also gave a lecture, "Getting the Magic Out of Magic Numbers in Clusters," at Tsing Hua National University. Dr. Castleman gave the keynote address, "Reactions and Properties of Clusters," at the 12th International Mass Spectrometry Conference in Amsterdam, the Netherlands.

Stanley E. Curtis, head of the Department of Dairy and Animal Science, has assumed the presidency of the American Society of Animal Science.

Mary Frank Fox, associate professor of sociology and women's studies, and Henry Etzkowitz, associate professor of sociology at SUNY-Purchase and Science Studies Unit at Rensselaer Polytechnic Institute, have been awarded a $459,539 grant from the National Science Foundation for their study, "Women in Science and Engineering: Improving Participation and Performance in Doctoral Education."

George Kephart, Daniel Lichter and **Diane K. McLaughlin**, family associates in the Population Issues Research Center in the Institute for Policy Research and Evaluation, have been awarded a three-year, $157,366 grant from the Public Health Service/National Institute of Child Health and Human Development to study the demography of local marriage markets.

R.V. Ramani, professor of mining engineering and head of the Department of Mineral Engineering, has been named to the Mine Health Research Advisory Committee of the Centers for Disease Control. He also served as an expert to the United Nations on Computerized Coal Mining Systems, visiting government institutions and mining operations in Czechoslovakia, Yugoslavia, Poland and Turkey.

Patrick T. Terenzini, professor of education and senior scientist in the Center for the Study of Higher Education, has been elected to a two-year term on the Board of Directors of the Association for the Study of Higher Education.

Isabel Farrell, coordinator of the Center for Arts and Crafts in the Hetzel Union Building, has received an Arts Management grant and internship from the Pennsylvania Council on the Arts.

David S. Palermo, associate dean for research and graduate studies in the College of the Liberal Arts, has been elected to the board of directors of the Eastern Psychological Association.

William R. Schmalstieg, Sparks professor of Slavic languages and member of the Institute for the Arts and Humanistic Studies, gave an invited lecture at a colloquium on the Old Prussian language in the Department of Baltic Philology of the University of Warsaw. He also gave a lecture comparing Lithuanian and Sanskrit syntax at the initial plenary session of the Sixth International Congress of Balticists at the University of Vilnius, Lithuania.

Adam J. Sorkin, associate professor of English at the Delaware County Campus, presented an invited paper, "The Half-Life of Translation," at the Third International Colloquium of Translators and Publishers of Romanian Literature, in Sinaia, Romania.

Kim Steiner, professor of forest genetics, presented an invited paper on the genetics and breeding of North American oaks at a meeting in Nogent-sur-Vernisson, France, sponsored by the International Union of Forest Research Organizations.

25-year award recipients

Observing 25 years of service at the University are, from left, Roe S.Cochran, associate professor of forest resources; Jon K. Hall, associate professor of soil chemistry; Robert O. Hermann, professor of agricultural economics; Wayne A. Schutjer, associate dean for extension and professor of agricultural economics, all in the College of Agriculture. Also observing 25 years is Bridget H. Sternberger, electron microscopist in food science and staff member in the College of Agriculture and Eberly College of Science Electron Microscope Facility.

Crime is a male domain

Researchers explain why women are less likely to commit crimes

'Women need more provocation than men to engage in crime.' --
Darrell Steffensmeier

Social, psychological and physical factors all help to explain why females have lower crime rates than males in all countries and throughout recorded history, according to a University sociologist.

"Criminologists have always been fascinated by the fact that women are less likely than men to become involved in crime," Darrell Steffensmeier, professor of sociology, and one of the country's leading authorities on female crime, said.

"The division between what is feminine and what is criminal is sharp, whereas the dividing line between what is masculine and what is criminal is often a thin one."

He and Emilie Allan, professor of sociology at St. Francis College in Loretto, Pa., wrote a paper "Gender, Age and Crime," which appears in the book, *Criminology: A Contemporary Handbook*, published by Wadsworth.

"There is no female equivalent to the romanticized 'rogue' male," Dr. Steffensmeier said. "For males — especially for young males — crime may serve to enhance status and verify their masculinity."

Women are expected to be highly conforming. Marriage and parenthood are promoted as major life goals, despite the increased careerism of women in recent decades. Social expectations of women still center mainly on nurturing concerns as well as concerns about female beauty and virtue.

"Stereotypes of femininity are basically incompatible with the qualities valued in the criminal underworld," Dr. Allan said. "Female crime, unlike male crime, is almost always stigmatizing."

"Because their social status operates against delinquent behavior, women need more provocation than men to engage in crime, especially serious crime," Dr. Steffensmeier added. "Females must cross a greater moral and psychological distance than males, and female criminals are more likely to be drug dependent or to come from deprived backgrounds — poverty, a broken home, abusive parents."

Women are also more likely than men to engage in criminal activity because of an intimate relationship. "Many women in prison might not be there if they had not become romantically involved with the wrong person," Dr. Allan said.

The fact that women's identities traditionally derive from the men in their lives helps to explain why it is often a husband or boyfriend who initiates a woman into crime.

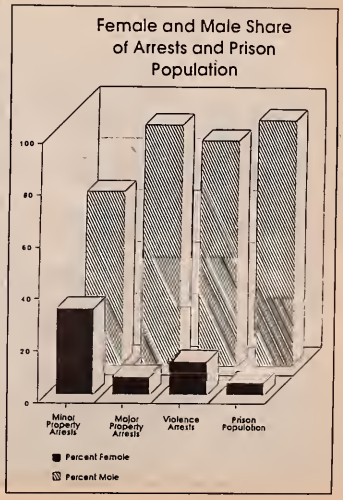
Physical traits also favor greater male participation in crime. "Traditionally male crimes such as robbery, burglary and cargo theft require a certain level of physical strength and agility," Dr. Steffensmeier noted. "Additionally, the threat of sexual victimization reduces the mobility of women and keeps them away from rowdy bars and dark streets where crime breeds."

Finally, female participation in the world of crime is concentrated in the less rewarding types of crime, such as shoplifting, credit card fraud, passing bad checks and employee theft.

According to Dr. Steffensmeier, the men who dominate the highly organized and more lucrative types of criminal enterprise are not particularly receptive to female involvement in burglary rings, gambling operations, drug cartels, fencing networks and black market smuggling of weapons, liquor and cigarettes. Even prostitution is generally controlled by males.

"The difference between male and female involvement becomes greatest in lucrative crimes that involve criminals acting in concert. This pattern holds whether the locus of crime is the underworld or the upperworld. Labor racketeering and large-scale corporate frauds, for example, overwhelmingly involve all-male groups.

"Men essentially control entry to many of the more lucrative forms of crime and are reluctant to admit women." -- **Paul A. Blaum**



College to begin lecture series

The Eberly College of Science inaugurates its New American Scientist Initiative Science Education Lecture Series with a presentation by George Bodner, professor of chemistry and professor of curriculum and instruction at Purdue University.

His talk, titled "Cooperative Learning: The Alternative to Teaching at Medieval Universities," will be given at 12:15 p.m. Thursday, Oct. 24, in Room S-5 Osmond Laboratory at University Park.

Dr. Bodner will discuss his research on how students can develop understanding rather than simply accumulate knowledge. He has used a model of learning that he said changes the instructor from "someone who 'teaches' to someone who facilitates learning, a shift from teaching by imposition to teaching by negotiation."

Speakers selected for the new lecture series are scientists in physical, biological, or mathematical disciplines who also have done rigorous research on the process of science instruction. Dr. Bodner is a chemist whose over 80 research papers and 23 books and manuals explore his wide range of interests, which include nuclear magnetic resonance spectroscopy, epistemology, science instruction, the history of chemistry, and the philosophy of science.

Dr. Bodner received a bachelor's degree in chemistry at the State University of New York at Buffalo in 1969 and a doctorate in inorganic/organic chemistry from Indiana University in 1972. He is program chairman of the American Chemical Society Division of Chemical Education.

George Bodner

Carpoolers

Ride wanted from Rt. 26 and Struble Road, near the Nittany Mall, to the University. Work at 8 a.m. Call Kathy at 234-6904.

Sue would like to carpool from Philipsburg to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-2000.

Carpooler needed from Philipsburg to University Park from 8 a.m. to 5 p.m. Please call (814) 342- 0233 or 865-6713.

Sandy needs a ride from Warriors Mark to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-0848 or 632-5051.

Tammy would like to carpool from the Burnham/Lewistown area to University Park. Her work hours are 8 a.m. to 5 p.m. Call 863-2133 or 242-2585.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m., **Thursday, October 24. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01874, Lab Coordinator, School of Communications, Operations, University Park Campus -- Responsible to the director of operations for the scheduling, maintenance, and supervision of an assigned laboratory. Supervise employees, maintain inventory and assist faculty in instructing students regarding highly complex audio and/or video equipment. Requires bachelor's degree, or equivalent, in communications, broadcasting, or related area plus up to one year of effective experience in 16mm motion picture production and post production. STAFF GRADE 4

■01875, Assistant Manager, Food Services, Housing and Food Services, University Park Campus -- Responsible to the manager, Food Services, for all phases of a specific dining commons operation. Requires bachelor's degree, or equivalent, plus one to two years of effective experience. STAFF GRADE 5.

■01876, Assistant Director, Computer Operations, Computer and Information Systems, Center for Academic Computing, University Park Campus -- Responsible to the director, Computation Center, for computer operations in both central and distributed facilities. Plan and direct programs in the selection of equipment, oversee the installation of new and upgraded facilities. Requires bachelor's degree, or equivalent, with six to seven years of effective experience in supervising or managing computer operations. A good understanding of computer programming, computer organization, and operating principles of computer systems and experience in technical resale management and administration is desired. STAFF GRADE 9.

■01877, Computer Center and Laboratory Aide, Penn State Altoona Campus, Computer/Science - - Provide programming assistance for research and administrative services for the campus community using such language as BASIC, PASCAL, FORTRAN, etc. Provide programming and technical assistance to faculty, staff, and students using laboratory facilities. Assist in supervising work study students working in the laboratories. Requires associate degree, or equivalent, in computer science/technology and one to two years of effective experience in the operation of laboratory and computer equipment. STAFF GRADE 4.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **October 24.**

■10007, 10008 (2 positions) Emergency Medical Technician, Emergency Department -- Responsible to the manager, Emergency Services, to provide patient care assistance and the coordination of equipment resources in the Emergency Department. Requires a high school degree or equivalent, BLS certification and current certification as an Emergency Medical Technician within the Commonwealth of Pennsylvania and up to 12 months of effective experience required. STAFF NONEXEMPT, GRADE 2.

■10509, Clinical Head Nurse, Department of Nursing Services/Emergency -- Responsible to the nursing manager and/or the assistant director of nursing services for performing a variety of nursing duties, as well as providing leadership to nurse clinicians and other patient care personnel. Requires a registered nurse with a current license to practice professional nursing in Pennsylvania, plus one to two years of effective nursing experience. Bachelor of science in nursing preferred. STAFF NONEXEMPT, GRADE 5.

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INTERCOM

October 24, 1991 Volume 21, Number 10

Provost discusses critical issues facing University

In the short five-year span until 1996, the University will add 25 new buildings or major additions to its current roster of facilities and increase enrollment at a number of campuses, according to John Brighton, executive vice president and provost of the University.

In an address at the Oct. 15 Faculty Senate meeting, Dr. Brighton shared his visions for Penn State in the future.

"The outline is already there. The picture on the canvas is that we are a nationally and internationally recognized research university. We are ranked ninth nationally in terms of research expenditures," he said. "By 1996, I predict we will have fewer undergraduate students at University Park, but I believe the campuses will become stronger for both students and the communities they serve."

After only three months in office, Dr. Brighton said he has been struck by the dedication of people at all levels, the outstanding leadership at Penn State, and the complexity and breadth of the activities occurring.

He pointed to several critical issues facing the University, including examining and improving the quality of undergraduate education, increasing graduate enrollment, and the need for more facilities to meet the needs of students.

"There has been significant growth in graduate programs and a number of them are recognized as among the best in the country," he said "But the ratio of graduate students to undergraduate students is low when compared to other Big 10 universities."

This fall, the University Park Campus enrolled approximately 39,000 students. Statewide, nearly 71,000 students attend either University Park or one of the campuses in the Commonwealth Educational System. Dr Brighton noted Penn State conferred more baccalaureate degrees than other Big 10 schools in 1989- 90, but awards fewer advanced degrees than most Big 10 schools.

The provost also said University Park facilities are at capacity and 17 of the 25 new buildings or major additions scheduled for completion by 1996 are at University Park. The 25 construction projects plus renovations to existing buildings will cost $420 million, compared to the $184 million spent over the last six years on similar projects. Most of these building projects are being funded through bonds, to be paid with funds generated through building use.

"The improvement of this university will depend more than anything else on our dedication to recruiting outstanding faculty and continuing to strive for a positive environment for students, faculty, and all employees of the University," Dr. Brighton said.

The provost warned that efforts to enhance the undergraduate educational experience should not ignore the research aspect of education and the important role it plays in scholarship.

See additional Faculty Senate story on Page 3.

New program in golf management is being offered by the University

A new University program aims to keep a shortage of golf management professionals from threatening the game's ever-increasing popularity.

"With a new golf course being opened each day in the United States, it's estimated that the demand for golf management professionals won't be met until at least 2020," notes **Frank B. Guadagnolo**, coordinator of the golf management program at Penn State.

The program, introduced this fall, is available as a specialization for students in leisure studies. It is one of only four such college-level efforts nationwide endorsed by the Professional Golfers' Association (PGA) of America.

"We plan to admit 40 to 50 new students each year until we cap the enrollment at 200," says Dr. Guadagnolo, associate professor of leisure studies in College of Health and Human Development. "As part of our recruitment efforts, we hope to attract substantial numbers of women and minorities – the two fastest growing segments of the golf playing population."

According to estimates, about 42 percent of all new golfers are female and the number of Black/African-Americans playing the game has nearly tripled since 1984.

"As an industry, golf is expected to grow from a $25 billion- to a $40 billion-a-year concern in the 1990s," Dr. Guadagnolo adds. "Tremendous opportunities exist for persons with the kind of classroom and on-site training Penn State now offers."

In addition to general education requirements, students in the golf management program will take courses in leisure studies, business, hospitality, turf management and communications. Practice in the game itself will be available on the University's two 18-hole courses, both of which are scheduled for redesign and expansion.

A series of extensive co-op experiences also will be required under the supervision of a Class-A member of the PGA. Such training will take place at a variety of private and public golf facilities, the PGA headquarters, and regional PGA offices.

"Penn State seems to be tapping into an area of great interest to students exploring careers in recreation and hospitality," Dr. Guadagnolo notes. "The program wasn't officially announced until this week, but I've been getting several inquiries a day about it for months."

President Thomas demonstrates his putting style at the announcement of the University's new golf management program. (Photo: Greg Grieco)

Focus on Diversity

Committee on Gay Lesbian and Bisexual Equity formed

As part of a recent report evaluating the climate for lesbians, gays and bisexuals on campus, the Committee on Gay, Lesbian and Bisexual Equity has been formed.

The 21-member committee appointed by **James B. Stewart**, vice provost, is part of the University's effort to promote a multicultural environment sensitive to cultural issues and receptive to individuals with diverse backgrounds and lifestyles.

The committee, chaired by **William G. Tierney**, associate professor of education, will look at the campus climate to evaluate areas that may not be hospitable to gay, lesbian or bisexual people. The committee will then recommend changes to deal with any issues that arise.

Four subcommittees will address the major concerns identified by the original task force appointed in 1990, the Committee for Lesbian and Gay Concerns. This group was a fixed-term committee that has disbanded since completing its report. The new committee is a standing committee that members hope will evolve into a permanent commission appointed by the University president.

The four areas to be studied by the committee include the structure of the committee, University policies, educational initiatives and curriculum, and the role each plays in relation to gay, lesbian and bisexual groups.

The Subcommittee on Structure will be concerned with the mechanics of how the entire committee operates -- bylaws, membership, etc., -- while the Subcommittee on Policies will investigate how Penn State regulations affect the homosexual and bisexual populations.

The Educational Subcommittee will address the issues of designing and

Committee members, who will meet providing information about sexual orientation. The Curriculum Subcommittee is charged with evaluating academic offerings to discover how issues of sexual orientation are included or excluded. again Oct. 29, include: Dr. Tierney, chairperson; Kevin W. Allison, assistant professor of psychology; Estela M. Bensimon, assistant professor/research associate in the Center for the Study of Higher Education; Sabrina C. Chapman, director, Center for Women Students; Clarence Chisholm, chief, access services, University Libraries; Kenneth I. Clarke Sr., assistant director of religious affairs; Michael Clossick, graduate student, Human Development and Family Studies; Karen Feldbaum, acting associate director, Residence Life;

Carl S. Frankel, assistant professor of biology; Lori D. Ginzberg, assistant professor of history and women's studies; LaVerne Gyant, interim director, Black Studies; Lisa H. Henderson, assistant professor of communications; W. Terrell Jones, deputy vice provost; Patricia B. Koch, assistant professor of health education; Linda I. LaSalle, graduate student, higher education;

G. Gregory Lozier, executive director, Office of Planning and Analysis; Susan Rankin, head coach, women's softball; Donald C. Rung, professor of mathematics; Margaret E. Spear, director, Clinical Services, University Health Services; Craig Waldo, undergraduate student, and Lawrence W. Young Jr., director, Paul Robeson Cultural Center. M. Lee Upcraft, assistant vice president, Counseling Services and Program Assessment, will serve as a consultant to the committee. Ann Ard will serve as a staff resource person.

Implemented this fall

Korean offerings successful

The University's first offering of Korean language, implemented this fall, is successful with an enrollment of 35 students in the beginning course. The Korean courses are offered by the Department of Comparative Literature and taught by Prof. Hong-Kee Shon of Pusan University in Korea.

According to **Caroline D. Eckhardt**, head of the department, Korean is an increasingly popular language; at least five other Big Ten institutions offer it. Arrangements for Penn State's new initiative were made through the good auspices of Prof. Seong- Kon Kim, of Seoul National University, who spent the 1990-1991 academic year as a Fulbright Scholar-in-Residence in the Department of Comparative Literature

Dr. Eckhardt said interest in Korean at Penn State may partly reflect the increasing number of people of Korean heritage in Pennsylvania. Data from the 1990 census data show 26,787 Koreans in the Commonwealth, up from the 1980 census total of 12,502. Comparisons with 1980 also show that the state's overall Asian population has more than doubled during the past decade; as of 1990 it forms 1.2% of the population. Within this Asian group, the three largest elements are Chinese, Asian Indian, and Korean.

In addition to laying the groundwork for offering Korean language courses, Prof. Kim, while in residence last year, arranged for Penn State to receive donations of books from two major Korean publishers, Yul Eum Sa and Mineum Sa, and donations of videotapes from the Korean Culture and Arts Foundation.

Diversity Opportunities Calendar

Monday, Oct. 28
Office of Student Activities and Religious Affairs, 12:05 p.m. to 12:55 p.m., Eisenhower Chapel's Informal Lounge. Brown bag lunch, video presentation and discussion titled, "Political Correctness: The Big Chill." Video will feature Donald Kagan, Yale University dean, as he discusses ways political correctness imposes conformity to positions affirming race, sexual orientation, and more. Subsequent discussion will be led by Lawrence W. Young, Paul Robeson Cultural Center director.

Tuesday, Oct. 29
Professional Women at Penn State, 11:45 a.m., Eisenhower Chapel Frizzell Room. General meeting.

Penn State Institute for the Arts and Humanistic Studies and Department of Art History, 8 p.m., 112 Walker Building. Art and the Native American lecture titled, "Cooper, Cole and the Last of the Mohicans," Elwood C. Parry III, University of Arizona professor of art history.

Center for Women Students, 8:15 p.m., HUB Ballroom. Lecture titled, "Crossed Signals and Mixed Messages: Does No Ever Mean Yes," by Andrea Parrot, Cornell University assistant professor of Human Studies. She is the keynote speaker of Sexual Assault Awareness/Prevention Week, Nov. 4 to 13.

Wednesday, Oct. 30
Center for Women Students, noon to 1 p.m., 120 Boucke. Brown bag lunch discussion titled, "Growing Up and Moving On: Women's Later Decades," by Jo Searles, associate professor of English at Penn State Altoona Campus.

Groove Phi Groove, 6:30 p.m., Paul Robeson Cultural Center. Films titled, "Black Views on Race: Adam Clayton Powell" and "Bobby Seale and Huey Newton and the Black Panthers."

Program to focus on social worker's role in the courts

Rufus Lynch, state director of court management, Supreme Court of Pennsylvania, and Jacquelyn Mitchell, managing attorney, Legal Services of the Virgin Islands, will discuss "The Judicial Social Worker: Institutionalizing the Role of the Social Worker in the Courts" at 2 p.m. Monday, Oct. 28, in the Paul Robeson Cultural Center auditorium at University Park.

The event is being hosted by the Social Work Program, with co-sponsorship by the Department of Administration of Justice, the Black Studies Program, the Equal Opportunity Planning Commission, the Pennsylvania Commission on Sentencing, and the Department of Sociology.

Dr. Lynch, who was a Summer 1991 Scholar-in-Residence at the University, has a master's in social work from the University of Pittsburgh and a doctorate in social work from the University of Pennsylvania.

He has had an extensive and varied career in public service in the Commonwealth, having served in all three branches of State Government. Among his many accomplishments and honors, he was one of the architects of Pennsylvania's Department on Aging and was named "Social Worker of the Year" in Pennsylvania in 1978. Currently, he is a senior member of the administrative staff of the Chief Justice of the Supreme Court.

Ms. Mitchell has a master's degree in social work from Atlanta University and a law degree from the University of Pennsylvania. She was an associate professor of social work at Morgan State University for a number of years and is currently a member of the Board of Trustees of Trinity College, Vermont.

In addition to her experience in social work practice and administration, primarily in the area of adoptions, she has an extensive background in the judicial arena, as a lawyer in private practice and in public service, having been a public defender, legal counsel, hearing officer, and administrator of legal services. In her present capacity, she directs the community legal services agency in the U.S. Virgin Islands.

Business Week ranks Executive Programs among top ten

Business Week magazine has ranked the Penn State Executive Programs among the top 10 U.S. schools in its field and 11th worldwide.

In its first-ever poll of business schools providing educational programs for middle- and upper-level executives, *Business Week* rated Penn State fourth among U.S. public institutions and 10th among U.S. schools.

Approximately 150 business schools have executive education offerings, according to *Business Week*.

"We're extremely pleased," said **J.D. Hammond**, dean of The Smeal College of Business Administration. "Our executive programs have long been a strength here and a source of pride.

"We believe this ranking shows that not only do we do a fine job of educating future business people, but educating practicing business people as well."

Like *Business Week's* rankings of MBA programs, among which Penn State is considered an up- and-comer, this survey is based on customer satisfaction.

Former executive program participants and corporations were polled on how well their educational needs are being met by the top 26 schools in the field. More than 3,500 "alumni" were surveyed for their opinion of each institution's "flagship" program. Three hundred forty-six corporations also were queried in the process.

Topping the *Business Week* poll was the University of Michigan, followed by the University of Virginia, Northwestern, Duke, Stanford, Harvard, the University of Pennsylvania, Columbia, INSEAD (France), North Carolina and Penn State.

MIT was 12th, followed by UCLA, Carnegie Mellon, Dartmouth, Cornell, Babson, Southern Methodist and Indiana University.

Founded in 1956, the Penn State Executive Programs have served more than 10,000 clients with a broad array of two- to four-week experiences. Long a holder of one of the world's leading market shares in executive education, Penn State attracted more than 600 corporate managers from 40 nations to University Park in 1990-91.

Among the participants were business people from the strategic Pacific Rim, South America, the Middle East, Europe and the former Eastern Bloc, where countries are moving toward market economies.

The Penn State Executive Programs also have been on the ground floor of research in their field. This year, they joined such respected institutions as Columbia, the London Business School, Northwestern, Cornell, U.S.C., the University of Virginia, the University of North Carolina and M.I.T. as charter members of the International Consortium of Executive Development Research.

General welcome

Lt. Gen. John J. Yeosock, a 1959 Penn State graduate, speaks to reporters prior to leading the annual Homecoming Parade at University Park on Friday, Oct. 18. (Photo: Greg Grieco)

Classroom cleaning costly

Problems caused by debris from food and drink in the classrooms is costing the University an estimated $80,000 annually in custodial time to clean up.

In a recent report to the Faculty Senate, Barton Browning, a member of the Senate Committee on Academic and Physical Planning, presented recommendations University officials should take to alleviate the costly situation.

They include: 1) encouraging self policing on the part of both students and faculty through an informational campaign; 2) working with Student Services to ensure that student organizations using University facilities are leaving the areas clean; and 3) pinpointing classrooms where larger trash receptacles or more recycling receptacles are needed.

Part of the problem results from the unscheduled evening use of classrooms as study halls or meeting rooms, according to the report.

The Faculty Senate also recommended that faculty members take time to remind students of their responsibilities in properly disposing of trash.

"The debris left from food or drink accounts for 85 percent of the debris found in classrooms," Dr. Browning noted. "Clean up of this trash takes an additional 35 minutes per classroom per week."

He said the committee discussed placing a ban on eating and drinking in classrooms, but there was not enough support for the idea. The consumption of food and drink while classes are in session is permitted under current University rules.

Teaching awards nominations sought

Nominations are being sought for the 1992 Atherton and Eisenhower Teaching Awards.

The George W. Atherton Award for Excellence in Teaching is to recognize excellence in teaching performance in the undergraduate program of the University. Four awards are to be presented, with at least two of the awards to be given to faculty members at campuses other than University Park at the Awards Convocation in April, 1992.

The Milton S. Eisenhower Award for Distinguished Teaching, which replaces the Christian R. and Mary F. Lindback Award, is given in recognition of outstanding teaching at the University. Two awards will be presented at the Awards Convocation.

To be eligible for nomination for the Atherton Award, a faculty member must: have been a full-time member of the University faculty for a minimum of three years; have undergraduate teaching as a major portion of her or his assigned duties; have rank as assistant professor, associate professor or professor.

To be eligible for nomination for the Eisenhower Award, a faculty member must: be a tenured member of the faculty; have been employed as a full-time University faculty member for a minimum of five years; have undergraduate teaching as a major portion of her or his assignment. Members of a research staff, administrators (including department heads), and those who are predominantly teachers of graduate students are not eligible for the award.

The deadline for nominations for the awards has been extended to Nov. 1. For further information and nomination forms, contact the Vice Provost's Office, 207 Old Main, University Park, at 863-7035.

Center seeks nondiabetic volunteers

Research subjects sought

The Center for Locomotion Studies (CELOS) is actively seeking nondiabetic men between the ages of 55 and 65 (weighing between 220 and 260 pounds) who would like to participate in diabetes-related research.

The current study, under the direction of Dr. Peter Cavanagh, will help determine changes that take place during standing and walking in diabetic individuals who have decreased sensation in their feet. Nondiabetic volunteers (who will learn a great deal about their own functional status) are needed for comparison purposes with diabetic individuals.

If you are interested in helping diabetes research and participating in the study, please call Mary Becker at 865-1972.

State of the college address

Health and Human Development is national leader

Editor's Note: The following is an adapted version of the annual "State of the College" address, given by Anne C. Petersen, dean of the College of Health and Human Development, at Health and Human Development Day, October 3.

Anne C. Petersen, dean of the College of HHD

Welcome to Health and Human Development Day. We have been holding this event each fall since the college's creation in 1987, and it gives us an opportunity to accomplish several things in one day. We bring together our faculty, including those at the Commonwealth Campuses, and a few of our alumni; we honor our outstanding alumni, faculty, and staff; and we showcase some of our programs for those who want to learn more about us.

Another important role for the day is that it provides an opportunity to take stock of the progress we've made in the past year. The college was established just four years ago with an innovative conceptual framework. We were the first in the country to have a combined focus on the development of healthy individuals, the prevention of illness, the developmental processes leading to ill health, and the recovery of health after illness, as well as the management of programs and service delivery systems in these areas. By integrating fields that traditionally were found in separate units, we were positioned to play a leadership role in an important and growing field.

The college has grown very rapidly since its inception, and that growth continued this past year. For example, our undergraduate enrollment has been increasing steadily since the college's creation. And data from the University show that that trend is continuing this fall: The number of new freshmen in the college this fall is up 16 percent over the number of incoming freshmen at this time last year, and our freshman enrollment at University Park is up 64 percent. These enrollments will surely hold our place as the University's fourth-largest undergraduate college, up from fifth a few years ago.

These figures are especially remarkable in light of the fact that we've traditionally been a discovery college. Students typically don't arrive at Penn State knowing of our majors and intending to pursue them; instead, they "discover" us once they're here, and transfer into our college.

We attribute our growing success in attracting undergraduates to several factors. First, health care and its related fields are growing rapidly, and so is the demand for our graduates:

— Health care management, for example, is the nation's fastest growing occupation.

— The demand for registered nurses will soon double the supply.

— Two-thirds of U.S. companies now have worksite health and nutrition programs.

— And the hospitality industry is the nation's largest retail employer.

And those are just a few examples of the strength of our fields.

But the other part of our attractiveness to students is that we have worked hard to tell students about the value of a Health and Human Development education and the careers that are possible with a degree from our college. We have directed staff time and resources toward student recruitment, and not only our Advising Center, but many Commonwealth Campus faculty, DUS staff, and admissions officers have been an enthusiastic part of that effort. Many of you attend college fairs, visit high schools, and otherwise put a great deal of time and effort into student recruitment. Our enrollments suggest that those efforts are paying off.

Undergraduate enrollments are just one area in which we're strong. Our graduate enrollment remains healthy at 713, including several hundred students in extended graduate programs in Harrisburg and Pittsburgh. (The extended-degree students typically are working professionals who pursue a Penn State graduate degree on a part-time basis.) We're especially pleased by the preliminary data on our minority enrollments, because diversity in our student body is a high priority for our college. At the undergraduate level, the proportion of minority students is up almost seven percent over last year, and at the graduate level, we've seen a 41 percent increase in minority enrollment.

Just two years ago, we were proud to say that our faculty had generated $5 million in external funding for research and other activities. That figure grew to $8 million the next year, and last year, the faculty generated more than $12 million in external funding. In just a few years as a college, we have tripled our research funding. Our rate of increase in research funding is even greater than the phenomenal increase seen in the University overall.

The college also attracted almost $4 million in private support this past year, an increase of 40 percent over the year before. And the number of private gifts we received—roughly 3,780—represented a 21% increase over the previous year. We've had a strong year in other ways as well. Let me just tell you a few of the changes that have taken place since we gathered here a year ago.

The Board of Trustees recently approved our proposal to create a School of Hotel, Restaurant, and Recreation Management, which combines the former School of Hotel, Restaurant, and Institutional Management and the former Department of Leisure Studies. We think this will consolidate our strengths in this area and position us to play a national leadership role in hospitality, commercial recreation, and related fields. I'm also pleased to say that, following a national search, I have appointed Stuart Mann as director of the new school.

Last spring we dedicated the site for a building to house the new school. The Mateer Building will be located between Business Administration Building and the Keller Conference Center. The Trustees approved funding for this state-of-the-art building at their last meeting, and ground will be broken soon. We expect to be ready to move in by 1993.

Also this past year, the Board of Trustees approved a new option for students in the School of HRRM: an option in professional golf management, endorsed by the PGA. The option was approved in May. We really haven't started to advertise the program heavily, but already have enrolled ten students this fall.

The School of Nursing received continuing full accreditation from the National League for Nursing. The Nursing school continues to make tremendous strides, and we're quite proud of its accomplishments.

Our new doctoral program in Biobehavioral Health was approved by the Board of Trustees last year, and eleven students already are enrolled this fall. This is an interdisciplinary program based on the idea that health is the product of multiple factors, including biological, behavioral, sociocultural, and environmental influences. There is growing demand for scholars and professionals who can integrate all of those perspectives in their work.

We initiated several innovative new programs. SERVE, or Students Enrolled in Relevant Volunteer Education, is a program that encourages students to integrate their classroom experiences with volunteer work in the community, and gives them one academic credit for doing so. It has been a highly successful program.

We also became the first college to sponsor college-wide workshops on integrating cultural diversity into the curriculum. The first was a general workshop to help faculty address race, ethnicity, class, and gender in their courses. A second workshop focused on sexual orientation, and the third addressed ways of improving the climate for black students.

And we sponsored a teleconference for health care professionals on "Caring for Older Adults." It was the first in what will be a series of teleconferences aimed at communicating our faculty's research and expertise to professionals in the health fields.

Finally, I'd like to say a few words about the future. Our quantitative success now outstrips our resources in many areas— student enrollments are a prime example—and we now are shifting our focus to quality. In terms of student recruitment, for example, we hope to fine-tune our recruitment efforts, placing extra emphasis on attracting minorities and potential University Scholars. Our goal is to work toward a more diverse student body and to continue to attract increasing numbers of high-achieving students. We're also interested in making sure that students planning careers in medicine and other fields that require post-graduate study know about the opportunities available in our undergraduate majors.

We expect that the demand for our extended-degree, associate degree, and certificate programs will continue to increase as well. We've been at the forefront at Penn State in developing innovative programs to meet the needs of nontraditional, location-bound students at all professional levels. And the demographic trends tell us that such programs will be even more greatly needed in the future. We intend to continue to be responsive to the needs of communities throughout the Commonwealth in this way.

See 'Address' on Page 5.

Address

Continued from page 4

We plan to continue to seek additional ways of linking our research and educational expertise with the needs of the health care, hospitality, and human service industries, as well as these sectors in industry generally. The teleconferences are one example.

In addition, we are developing plans for a human resources center that will provide a central clearinghouse for human resource managers in corporations, industry, and government who need help in areas where our college has expertise—for example, child care, elder care, substance abuse, dual-career issues, nutrition and fitness, and health care cost containment, to name just a few. Our college's assistance could be in the form of providing consultation, training, or professional development programs; and the benefits to the college can include research opportunities for faculty and internship sites for our students, among other possibilities.

We plan to continue to support the efforts of the faculty in gaining external funds for research and educational programs. Given limited funds within the University, most of our new ideas and innovations will need to be funded externally, through grants or gifts.

"Health care is growing rapidly, and so is the demand for our graduates."

In closing, I'd like to thank all of you again for the roles you've played in making this college a continuing success. I hope you share my enthusiasm for what we can accomplish in the coming years. Thank you.

Faculty/Staff Alerts

Flexible benefits reduce taxes

More than 10,000 faculty and staff members have discovered how to save money while contributing to the cost of healthcare and life insurance by taking advantage of the Contribution Conversion option available through the Employee Benefits Division.

Contribution Conversion results in faculty and staff contributions for University-provided healthcare benefits and up to $50,000 of group life insurance coverage to be converted from an after-tax deduction to a pre-tax deduction.

Contribution Conversion, introduced in January 1989, is one of three tax-saving benefits regular full-time faculty and staff may take advantage of through the University's benefits program. Individuals and families also have the opportunity to save substantial tax dollars on out-of-pocket healthcare expense and/or day care/baby-sitting expense by participating in flexible Reimbursement Accounts.

With a Health Care Reimbursement Account, a faculty or staff member can set aside up to $2,000 on a pre-tax basis from which reimbursements may be obtained for out-of-pocket medical, dental and vision care expenses. Out-of-pocket expenses typically consist of deductibles, copayments, or charges not covered or in excess of plan maximums.

The third option is the Dependent Care Reimbursement Account. Pre-tax salary dollars placed in a Dependent Care Reimbursement Account are used to reimburse up to $5,000 in expenses such as for baby-sitting and day care centers that allow people with qualified dependents to go to work.

The Annual Election Period for the three tax-saving flexible benefit options will take place during November. A booklet and the 1992 election form are being sent to all full-time faculty and staff around the first of the month.

Election forms are due in the Employee Benefit Division no later than Nov. 29. Contribution Conversion continues from year-to-year without any action necessary by the participant. However, both reimbursement accounts operate on a calendar year basis and require an annual election form to be submitted during the Annual Election Period for participation to continue. Questions should be directed to Ronald R. Rohde, Employee Benefits Division, (814) 865-1473.

Healthpass growth continues

As of Sept. 30, 8,950 faculty and staff members are enrolled in Healthpass, the University's preferred provider for healthcare coverage. This represents an increase of 285 since last year. Healthpass was introduced on Nov. 1, 1986, and is available to faculty and staff at University Park, Penn State Harrisburg, Great Valley, The Milton S. Hershey Medical Center and the Altoona, Berks, Delaware County and Ogontz campuses. Efforts continue to expand the network to other locations.

Individuals who do not belong to Healthpass, but would like to, are reminded that they may make the change as of Jan. 1, 1992. Also, full-time employees who belong to Healthpass and wish to change to the conventional coverage, Plan A, may do so on the same date. Anyone desiring to make a change must notify the Employee Benefits Division in writing prior to Dec. 31.

25-year award recipients

Observing 25 years of service at the University are, from left, Harold F. Doran, associate professor of agricultural and extension education; Dale J. Drost, assistant professor of architectural engineering at the Penn State Fayette Campus; F. Ruth Prest, interim extension director in Crawford County; Paul J. Mark, group leader and experimental and maintenance mechanic in Agricultural Engineering; Albert N. Skomra, campus executive officer at the Penn State Shenango Campus and former associate professor of English at the Penn State Fayette Campus.

Focus on the arts

Violin recital

James Lyon of the School of Music faculty will perform in concert at 2 p.m. Sunday, Oct. 27, in the School of Music Recital Hall at University Park.

Mr. Lyon has made solo appearances on Italian National Television and in Germany and Poland. He was a grand prize winner of the Fischoff National Chamber Music Competition.

He joined the music faculty after seven years on the faculty of West Texas State University, where he also was a member of the Harrington Quartet and concertmaster of the Amarillo Symphony.

Dance theatre

Pennsylvania Dance Theatre will present a narrated concert, including discussion and performance of works from its current repertory and a preview of new choreography, in a special "Informance 1991," at 3 p.m. Sunday, Oct. 27, at the Playhouse Theatre at University Park.

The professional company of contemporary dance based in State College, will present three pieces from repertory and talk about the choreographic and working processes involved in the creation of these pieces. Company members also will discuss new works being added to the repertory for their winter Gala Performance. The audience will have a chance to ask questions and to meet the dancers over refreshments at a reception which follows.

For information on tickets, call the Pennsylvania Dance Theatre at (814) 237-2188. Tickets also may be purchased at the door on the day of the performance at the Playhouse Box Office which opens at 2 p.m.

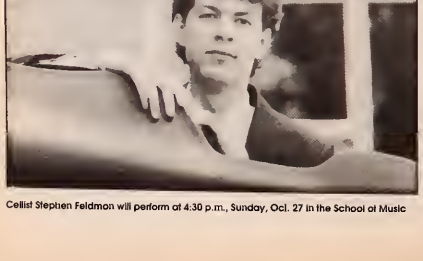
Cellist to perform

Stephen Feldman, cellist and doctoral candidate at the State University of New York at Stony Brook, will perform in concert in the School of Music Recital Hall at 4:30 p.m., Sunday, Oct. 27, at University Park.

The program will include works by Beethoven, Britten and Tchaikovsky. Christina Dahl, pianist and doctoral candidate at SUNY Stony Brook, will accompany Mr. Feldman.

Mr. Feldman has performed as a member of the Swarthmore Quartet and as a soloist with the Swarthmore College, Nittany Valley and Altoona Symphonies. He has given chamber music performances at the Aspen and Taos festivals and has appeared as an assisting artist with Penn State's Alard Quartet and the Chamber Soloists of Philadelphia.

Ms. Dahl has performed at the Tanglewood and Aspen music festivals, at the National Gallery of Art in Washington, D.C., and at the Ravinia Festival in Chicago. She is a member of the piano trio that was chosen to compete in the Artistic Ambassadors Competition under the auspices of the State Department.



Cellist Stephen Feldman will perform at 4:30 p.m., Sunday, Oct. 27 in the School of Music

Flute ensemble

The Penn State Flute Ensemble will perform in concert at 8 p.m. Monday, Oct. 28, in the School of Music Recital Hall at University Park.

The program features "Excursion" by flutist-composer Robert W. Mols, directed by guest conductor Dan Armstrong of the School of Music faculty.

The ensemble also will perform works by J.J. Quantz and Eugene Bozza for three and four players; "Elegance," a sextet by Robert Roden conducted by Elizabeth Tilghman, and works by Robert Mols and Jacques Casterede for five and eight flutes.

The ensemble, directed by Eleanor Duncan Armstrong of the School of Music faculty, plays C-flutes, alto flutes and piccolos in various combinations. The group also will perform in concert at 12:10 p.m. Thursday, Oct. 31, in the Helen Eakin Eisenhower Chapel. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Patadah" by Thom Ritter George, "Galway Piper Air" and a feature performance by graduating seniors Christine Beyer, Cindy Freed and Valerie McCartt. The program also will include "Excursions" for flute choir by Robert W. Mols, led by guest conductor Dan C. Armstrong of the School of Music faculty.

Art History Lecture

Ellwood C. Parry III, professor of art history at the University of Arizona at Tucson, will present "Cooper, Cole and 'The Last of the Mohicans'" in 112 Walker Building at 8 p.m. Tuesday, Oct. 29, at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies at Penn State.

Dr. Parry's books include The Art of Thomas Cole: Ambition and Imagination and The Image of the Indian and the Black Man in American Art, 1590-1900. He has taught at Yale University, Columbia University and the University of Iowa at Iowa City.

Halloween concert

The Penn State Percussion Ensemble, directed by School of Music faculty member Dan C. Armstrong, will perform its annual Halloween concert at 8 p.m. Thursday, Oct. 31, in the School of Music Recital Hall at University Park.

The program features "High Life" by Phil Faini, a work for drums, shakers and keyboard instruments inspired by traditional African rhythms and instruments.

Graduate student Kevin Taylor will conduct "Ostinato" by Richard Bernard. Seniors Chad Francis, Joe Parker and Kevin Tutt will perform "Episodes" by John Beck.

The Penn State Mallet Ensemble will perform transcriptions of Debussy's "Golliwogs Cakewalk" and Bolcom's "Graceful Ghost." The finale will be Gordon Peters' "Swords of the Moda Ling."

All-Mozart concert

Pianists Cherie Curry and Carl Blake, with Penn State's Mozart Orchestra, will perform an all-Mozart concert in the School of Music Recital Hall at 8 p.m. Friday, Nov. 1, at University Park.

The program will include Mozart's Adagio in B minor, KV 540, Variations on a Menuet by Duport, KV 573 and Sonata in D major, KV 448 for two pianos. The Mozart Orchestra, directed by Douglas Meyer of the School of Music faculty, will join the pianists for the Concerto in E-flat major, KV 365 for two pianos and orchestra.

James Lyon, of the School of Music faculty and violinist, performs at 2 p.m. Sunday, Oct. 27.

Ms. Curry is a professor of music at San Jose State University. She has adjudicated regional and national competitions, performed throughout the United States and Canada, France and England, and has performed Copland's Piano Sonata for Copland.

Mr. Blake is assistant dean for recruitment and retention and assistant professor of music in Penn State's College of Arts and Architecture. He was the first recipient of the Marian Anderson Young Artist Award and has studied with Pierre Sancan of the Paris Conservatory of Music.

Art to Go

Two third-century Peruvian stirrup spout bottles from the Palmer Museum of Art's permanent collection will be on display through the month of November in the lobby of the Calder Way and Allen Street branch of Peoples National Bank in State College.

The two vessels were created in the Andean costal region now known as Peru, and each displays a local cult figure. The feline-fanged god on one bottle was the principal war deity worshipped by the north coast Moche people until the time of the Spanish conquest. The Andean condor appears on the other bottle from ancient Nasca.

The bottles are part of a collection of ceramic sculptures donated to the museum by Kehl Markley, a 1944 Penn State graduate, and Nena Markley. The gift of 68 objects spans more than 2,000 years.

"Art to Go," sponsored by the FRIENDS of the Palmer Museum of Art, will continue to offer a new selection each month from the museum's permanent collection to be displayed at Peoples National Bank through April 1992.

See "Arts" on Page 9.

University Park Calendar

October 24 -- November 3

Special Events

Thursday, October 24
"Enlightening Lunches Series," brown bag wellness seminar, noon, Paul Robeson Cultural Center. "Alcohol and Drugs in the 90's."
Bach's Lunch, 12:10 p.m.-12:30 p.m., Eisenhower Chapel. Penn State Chamber Singers.
Shaver's Creek, 7-9 p.m., Pumpkin Carving. Call 863-2000.
■ Slavic Center, panel discussion, "The Second Russian Revolution in Historical Perspective." 7:30-9:30 p.m., HUB Assembly Hall.
Friday, October 25
Concert, noon, 1st floor, Kern Lobby Gordon Law and friends.
Shaver's Creek, 7-10:30 p.m., Halloween Trail. Also Oct. 26, 7-10:30 p.m.; Oct. 27, 6-9:30 p.m. Call 863-2000.
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ballet Folklorico de Mexico, choreographed by Amalia Hernandez.
URTC, 8 p.m., Pavilion Theatre. Trojan Women, through Nov. 2.
Sunday, October 27
Early American Music, workshop and concert, a benefit performance to establish the Samuel P. Bayard American Folklore Series. John Warner, balladeer, Colonial Williamsburg, 10:30-11:15 a.m., talk on instruments and their music; 6-7:30 p.m., candlelight concert followed by light refreshments.
School of Music, 2 p.m., Recital Hall. James Lyon, violin, faculty recital.
Pa Dance Theatre, "Informance 1991," 3 p.m., Playhouse Theatre. Tickets, 237-2188.
Carnegie Hall Film Series, 7 p.m., Murmur of the Heart (1971); 9:15 p.m., The Go-Between (1971), 108 Wartik. Free.
Dept. of Classics' Colloquium, 8 p.m., 112 Kern. Robert Bagles, Princeton Univ., on "The Craft of Translation and Read From His Version of Iliad."
Monday, October 28
Student Activities/Religious Affairs, noon, Informal Lounge, Eisenhower Chapel. Lawrence Young will lead the discussion. Video of Donald Kagan, Yale College, who talks about the way political correctness imposes conformity to positions affirming race, ethnicity, sexual orientation and defends the works of Western culture against this conformity.
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Marie-Josee Ceros.
Social Work Program, 2-3:30 p.m., Paul Robeson Cultural Center Aud. Rufus Sylvester Lynch and Jacquelyn Mitchell, Supreme Court, on "The Judicial Social Worker: Institutionalizing the Role of the Social Worker in the Courts."
School of Music, 8 p.m., Recital Hall. Penn State Flute Ensemble.
Tuesday, October 29
Professional Women at Penn State, brown bag lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel.
Art and the Native American: Perceptions, Reality, and Influences, 8 p.m., 112 Walker. Elwood C. Parry, III, Univ. of Arizona, on "Cooper, Cole and the Last of the Mohicans."
Talk, 8:15 p.m., HUB Ballroom Andrea Parrot, Cornell Univ., on "Crossed Signals and Mixed Messages: Does No Ever Mean Yes?"
Wednesday, October 30
Center for Women Students Brown Bag Lunch Series, noon-1 p.m., 120 Boucke. Jo Searles on "Growing Up and Moving On: Women's Later Decades."
Thursday, October 31
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Flute Ensemble.
School of Music, 8 p.m., Recital Hall. Penn State Percussion Ensemble.
Friday, November 1
■ Center for East Asian Studies, panel discussion, chaired by Parris Chang, 3:30-5:30 p.m., Assembly Room, Kern.
Shaver's Creek, 6:30-10:30 p.m., Kids' Night Out. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. M. Butterfly, a play by David Henry Hwang.
Saturday, November 2
Relationship Enhancement Program for Couples, 9 a.m.-5 p.m. Register, 865-1751, Joanne Kempher.
Shaver's Creek, 5:30-7 p.m., Beavers By the Bridge. Call 863-2000.
Sunday, November 3
Shaver's Creek, 1:30-4 p.m., Junior Archaeologists at Masseyburg. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Rear Window (1954); 9:15 p.m., Picnic at Hanging Rock (1975), 108 Wartik. Free.

The Pennsylvania Dance Theatre will present 'Informance 1991' at 3 p.m. Oct. 27 in the Playhouse Theatre.

Conferences

Continuing Education

Keller Building
Oct. 28-Nov. 1. Practical Methods in X-Ray Residual Stress Measurement. Clayton Ruud, chair; Donna Ricketts, coordinator.
Oct. 29. The College Board—Advanced Placement Conference. Jerri Milsom, coordinator.
Oct. 30. Pa. Bar Institute: Family Law Statewide Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Oct. 31-Nov. 1. Statewide Educational Conference for Allied Health/Health Occupations Professionals. Beverly Richards, chair; Chuck Herd, coordinator.
Nov. 1-2. Lady Lion Basketball Coaches Clinic. Rene Portland, chair; Chuck Herd, coordinator.
Nov. 2-3 Underwater Acoustics Review Session. Alan Stuart, chair; Kathy Karchner, coordinator.

Seminars

Thursday, October 24
Polymer Science, 9 a.m., 301 Steidle. Bryan Sauer, E.I. duPont de Nemours and Company, Inc., on "Surface Tensions of Polymer Melt Systems."
Physics Colloquium, 3:30 p.m., 55 Osmond Lab. Shoudan Liang on "Statistical Mechanics and Optimization Problems."
■ Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Alan Taylor on "Dynamics of Conifer/Bamboo Forest in Southwest China and Implications for Panda Conservation."
■ Seminar, 3:45 p.m., 101 Kern. Roger Creaser, Australian Defense Science and Technology Organization, on "The Defense Science-Industry Nexus in Australia."
Gerontology Colloquia, 4-5 p.m., 106 Mitchell. Barry Rovner, Thomas Jefferson Univ., on "Prevalence of Mental Disorders in Nursing Homes and New Approaches to Care."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. H.V. Jagadish, AT&T Bell Labs, on "Ode as an Active Database: Constraints and Triggers."
Speech Communication Colloquium, Carroll C. Arnold Lecture, 4:30 p.m., 273 Willard. William W. Fortenbaugh, Rutgers Univ., on "Aristotle on Persuasion Through Character."
Friday, October 25
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Tom Hoffman on "The Effect of Two Barley Yellow Dwarf Isolates on Five Cultivars of Winter Barley and Wheat."
Geog. Coffee Hour, 4 p.m., 319 Walker. Diana Shenk on "Meyer Bernstein: A Study in Labor Organizing through Photographs." Refreshments 3:30 p.m.
Monday, October 28
Russell Marker Lectures in the Physical Sciences, **Oct. 28-31.** Subrahmanyan Chandrasekhar, Univ. of Chicago, Enrico Fermi Institute, and Lab. for Astrophysics and Space Research. **Oct. 28,** 8 p.m., 112 Buckout Lab., on "The Principia. How it Came to Be Written"; **Oct. 29,** 8 p.m., 112 Buckout Lab., on "The Propositions of Book 1; The Superb Theorem;" **Oct. 30,** 8 p.m., 112 Buckout Lab., on "Newton's Deduction of His Universal Law of Gravitation;" and **Oct. 31,** 3:30 p.m., 55 Osmond, on "A Variety of Cognate Matters."
Tuesday, October 29
Plant Pathology, noon-12:50 p.m., 112 Buckhout Lab. David Truxall on "The Requirements for Infection of Arthunomyces peckianus on Black Raspberry."
Graduate Program in Nutrition Colloquium Series, 4 p.m., 108 Tyson. Pat Kreutler, Kraft General Foods, on "In Search of the Perfect Food?"
Wednesday, October 30
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Edward Joyce, Univ. of Minnesota, on "Mental Accounting and Violations of Description and Procedure Invariance in Riskless Matching."
Eng. Science and Mechanics, 3:35 p.m., 314 Hammond. A. Lakhtakia on "Lagomorphic Teeth and Saurian Tails."
Thursday, October 31
■ Slavic Center Luncheon Seminar, noon, 124 Sparks. Marie Bednar on "Czechoslovakia—Two Years After the Velvet Revolution." Brown bag or order pizza.
Biological Chemistry, 12:15 p.m., 55 Osmond. Bob Sweet, Brookhaven National Laboratory, on "Adventures in Protein Crystallography at a Synchrotron Source."
Acoustics, 4 p.m., ARL Classroom, Applied Science. John Fahnline on "The Accuracy and Computational Efficiency of the Method of Wave Superposition or, The Computation of Acoustic Fields" and Koorosh Naghshineh on "A Design Method for Achieving Weak Radiator Structures Using Active Vibration Control."

Exhibits

Chambers Gallery
Undergraduate Printmaking Exhibition, through Nov. 22
HUB Galleries
Browsing Gallery:
Greg Grieco, photography, through Nov. 3.
Kern Galleries
Sherry Oberholtzer, hand made baskets, through Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, through Nov. 8.
Palmer Museum of Art and Zoller Gallery
■ SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, through Nov. 17.
Pattee Library
Lending Services Gallery:
Historic photographs, sketches, watercolors from the Centre County Library and Historical Museum, through Oct. 30.
East Corridor Gallery:
Rina Banerjee, "Significant Form," through Oct. 31.
West Lobby Gallery:
Adrienne Wallking, "Homeless in America," through Nov. 10.
Zoller Gallery
Pennsylvania Metals, through Nov. 3.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an international perspective.

Awards

At request of National Academy of Science

Evan Pugh professor selected to lecture worldwide

At the request of the National Academy of Sciences, **Rustum Roy**, Evan Pugh Professor of the Solid State at Penn State, is delivering a lecture, "New Materials. Fountainhead for New Technologies and New Science" to scientific audiences worldwide.

First presented in the Great Hall of the National Academy of Sciences in Washington, D.C., Sept. 20, his next presentation was made for the U.S. Embassy in Tokyo, Oct. 15, and was co-sponsored by the embassy and the U.S. Office of Naval Research.

Dr. Roy, who was selected by the academy's Commission on Mathematical and Physical Sciences, is only the second person to deliver such a lecture at institutions throughout the world as a way to stimulate international collaboration. Professor Walter Munk of Scripps Oceanographic Institution delivered lectures on his Heard Island experiment last year.

Materials research is at the forefront of national policy attention, and the Academy's recent report stressed opportunities in materials synthesis. Dr. Roy and the Materials Research Laboratory are known worldwide as the leading laboratory in synthesis science in ceramic materials.

His lecture sounds notes of caution on promising too much for the new properties of new materials because these materials are often near their physical limits. He stresses the role of serendipity and careful observation in synthesis. He foresees a family of new materials in the new nanocomposites, a field in which he has done much of the pioneering work.

Rustum Roy

Dr. Roy also points to economic and social constraints, which will increasingly guide the materials scientists of the future.

He will give the lecture in India, U.K. Scandinavia and in USSR early next year.

College recognizes two alumni

The College of Health and Human Development has presented its 1991 Alumni Recognition Awards to **Roger Dixon**, professor of psychology at the University of Victoria in British Columbia; **Mark Ginsberg**, executive director of the American Association for Marriage and Family Therapy, Washington, D.C., and **Robert Harr**, president of Heather Hill, a non-profit geriatric center and rehabilitation hospital in Chardon, Ohio.

Dr. Dixon completed a master's degree in 1977 and a doctorate in 1982, both in human development and family studies at Penn State. He also holds a master's degree from the University of Chicago and a bachelor's from the University of Northern Colorado.

Before joining the University of Victoria faculty in 1986, he spent five years as a research scientist at the Max Planck Institute for Human Development and Education in Berlin, Germany. He also has been a visiting scholar at the Karolinska Institute in Stockholm, Sweden and a summer fellow at the Center for Advanced Study in the Behavioral Sciences in Stanford, Calif.

Dr. Ginsberg, a licensed psychologist, completed a master's degree in 1978 and doctorate in 1981, both in human development and family studies at Penn State. His bachelor's degree is from the State University of New York, Cortland.

He is chief executive officer of the American Association for Marriage and Family Therapy, an organization of more than 18,000 mental health professionals. He oversees a staff of 45 and an annual budget of more than $4 million. In addition, he is executive director of the AAMFT Research and Education Foundation.

Mr. Harr earned two degrees from Penn State: a bachelor's in human development and family studies in 1967 and a master's in rural sociology in 1973.

For the past 20 years, he has been president of Heather Hill, Inc., a comprehensive health care system in Chardon, Ohio. He transformed what was once a 90-bed nursing home into a multi-level health care delivery system that includes an acute rehabilitation hospital, nursing home, outpatient services, and the Corrine Dolan Alzheimer Center. The center, a residential and research facility, is the first of its kind in the United States.

McKeesport Campus honors six

Six outstanding faculty and staff members have received recognition awards from the Penn State McKeesport Campus Advisory Board.

Mary Preuss, associate professor of Spanish, and **Richard T. Obermyer**, professor of physics, received the Academic Excellence award, which recognizes full-time faculty members whose teaching, scholarship, research, publication, service, or mentoring have contributed significantly to the academic excellence of the campus.

Nominated for teaching excellence and her enthusiasm in inspiring students, Dr. Preuss is chairman of the campus' annual Liberal Arts Fair. She is an expert in Yucatec Mayan culture and is editor of the Latin American Indian Literatures Journal.

Dr. Obermyer consistently receives high praise from his students as a role model and for making himself available as an adviser. His research in high-energy-density permanent magnets and magnetic fields has been published in several national and international professional journals.

James Adams, instructor in English and president of the McKeesport Campus Association, received the Leadership Award for his selfless leadership of the faculty. Described as "a man for all seasons," he is respected for his intelligent decisions, diplomacy, and fairness in representing the faculty.

Three employees received Service awards for their consistent high performance. **Gilbert A. Loshelder**, engineering aide, was recognized for his mentorship to engineering students and for giving generously of his time and expertise.

Geraldine Gentile, advising/counseling assistant, is known as a "utility player" who serves in various capacities as adviser and teacher and who gives generously of her time to students.

Maggie Chiaverini, finance office secretary, was recognized by co-workers for her competence and skill in assisting hundreds of students and parents annually.

Secretary receives award from College of Health and Human Development

Rhoda Williams

Rhoda Williams, secretary in the School of Hotel, Restaurant and Recreation Management, has received the 1991 Carol Clark Ford Staff Achievement Award from the College of Health and Human Development.

The award recognizes Health and Human Development staff members who create conditions that make it easier for others to accomplish their objectives effectively and efficiently. The award was endowed by Donald H. Ford, founding dean of the former College of Human Development, in honor of his wife, Carol Clark Ford.

Ms. Williams has worked for five different program heads in her 21 years in the school. She supervises three secretaries, and processes budgets, faculty promotion materials and course offerings.

The faculty who nominated her for the award wrote, "She embodies a sort of college ideal: good cheer, gentle objectivity, resolution, loyalty, steady competence, and a modest self-assurance."

Appointments

Ted A. Wrigbt, former State University of New York special assistant to the president for Native American affairs, has been appointed director of the American Indian Leadership Program.

In his new position, Dr. Wright will recruit and help develop leaders in American Indian education. As assistant professor of education, he will teach sociology of education and Native American studies classes in the College of Education's Department of Administration, Policy, Foundations and Comparative/International Education.

A 1980 graduate of Southern Oregon State College, Dr. Wright has a bachelor of arts degree in secondary education and earned a master's degree in educational administration and a doctorate in education theory and policy, both from Penn State.

Ted A. Wright

Born and raised in Sitka, Alaska, and a member of the Tlingit tribe, he has served in numerous administrative posts in tribal government throughout the 1980s including: tribal employment rights, social services and Sitka tribal property management and education assistance. He also served as special assistant to the commissioner of the Alaska Department of Health and Social Services.

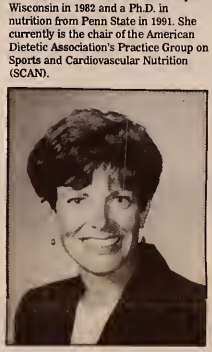
A graduate studies fellowship program, Penn State's American Indian Leadership Program is the oldest and one of the most successful educational leadership development programs in the country.

The program was established in 1970 to train Native American Indian educators to be become administrative leaders, and role models throughout the United States. Its graduates hold prominent positions throughout Indian country.

Kristine L. Clark has been named director of sports nutrition at the Center for Sports Medicine, with joint appointment to the Department of Nutrition, College of Health and Human Development.

Dr. Clark is responsible for developing a comprehensive sports nutrition program for the 28 intercollegiate athletic teams at University Park and for counseling athletes, coaches, and trainers on nutrition related to sports conditioning and sports performance. She will collaborate with the Center's research staff on projects dealing with nutrition and human performance.

A registered dietitian for 15 years, Dr. Clark earned a masters degree in health education from the University of Wisconsin in 1982 and a Ph.D. in nutrition from Penn State in 1991. She currently is the chair of the American Dietetic Association's Practice Group on Sports and Cardiovascular Nutrition (SCAN).



Kristine L. Clark

Obituaries

Henry Edward Schmidt, former professor of naval science and associate director of undergraduate admissions, died Oct. 1 at the age of 73.

A 1940 graduate of Boston College, he attended mid-shipman school at Northwestern University and was commissioned ensign in the U.S. Navy.

He came to Penn State in 1963 as professor of naval science and the commanding officer of the Navy ROTC. Upon completion of his master's degree from Penn State in 1967, he retired from the Navy and became the director of freshman admissions. He retired in 1983.

Keli P. Kilpatrick, instructor in Undergraduate Programs since Aug. 1, 1991, died Sept. 26 at the age of 33.

Carpoolers

Joanne would like to carpool from Stormstown to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-1414 or 238-4497.

Beverly would like to carpool from the Houtzdale/Philipsburg area to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-1473 or 378- 8362.

Vanpool is looking for riders from the Spring Mills/Milheim area to University Park. Work hours are 8 a.m. to 5 p.m. Call John at 349- 5334.

Focus on the arts

Featured authors

The Penn State Bookstore on Campus will host faculty authors Stanley Weintraub and John Balaban on Friday, Oct. 25.

Dr. Weintraub, Evan Pugh professor of arts and humanities, will sign and discuss his latest book, *Long Day's Journey Into War, December 7, 1941*, from noon to 2 p.m.

Professor Balaban, professor of English and fellow of the Institute for the Arts and Humanistic Studies, will sign and discuss his most recent books, *Remembering Heaven's Face; A Moral Witness in Vietnam* and *Words for My Daughter*, from 1 to 2 p.m.

Earlier books have appeared about Pearl Harbor, but *Long Day's Journey Into War* is unique in its global perspective, in seeing the events in Hawaii continuously in the context of the extraordinary war events elsewhere. In his gripping narrative, Dr. Weintraub employs throughout the technique of simultaneous worldwide time, dramatizing what was happening hour by hour, re-creating the most crucial calendar date in our century.

Remembering Heaven's Face is a powerful and moving account of civilian life at the front of America's darkest war. *In Words For My Daughter*, Professor Balaban's third book of poetry, he travels the highways of the nation's South and West, "listening to things that make a song." Like any traveler, he often encounters himself--in the form of memories of Vietnam or refracted through thoughts of his daughter.

Early American music

"Early American Music," a workshop and concert featuring John Warner, balladeer, of Colonial Williamsburg, will be held Sunday, October 27, at the Centre Furnace Mansion in State College.

The benefit performance is being held to establish the Samuel P. Bayard American Folklore Series. This first performance will launch an annual event to celebrate the work and long career in researching America's folklore by Professor Bayard, Penn State professor emeritus of English and comparative literature.

A presentation on instruments and their music will be held from 10:30 to 11:15 a.m. The candlelight concert will be held at 6 p.m.

For further information, contact Dick Pencek at 865-2419.

Thespians production

From Oct. 31 through Nov. 3, the Penn State Thespians will present the rock opera *Jesus Christ Superstar* in Schwab Auditorium at University Park. The musical, from Andrew Lloyd Webber and Tim Rice, tells the story of the last seven days of Christ's life in contemporary terms and is accompanied by pop rock music.

The Thespians' production of *Jesus Christ Superstar* features a strong ensemble case of students from various majors throughout the University. Heading the company are Kevin McMahon as Jesus and Chris Goffredo as Judas. Both brothers of Phi Mu Alpha Sinfonia and members of the acappella singing ensemble "The Dreamers," McMahon and Goffredo were last seen in *The Pirates of Penzance* with the University Resident Theatre Company.

Penn State Thespians production of *Jesus Christ Superstar* will have an 8 p.m. curtain for all shows with an additional performance at 2 p.m. Sunday, Nov. 3. Tickets are $7 and may be purchased at the Thespians box office near the HUB desk or at Eisenhower box office from 8:30 a.m. till 4:30 p.m. Monday through Friday. The Eisenhower box office also will be open from 8:30 a.m. till 4:30 p.m. on Saturdays. For information, call 865-9461 or 863-0255.

Pattee exhibit

"Homeless in America," by Adrienne Waltking will be on display in Pattee Library's West Lobby Gallery through Nov. 10.

Over the past year, Ms. Waltking witnessed the plight of the homeless in Washington, D.C. while serving an internship at the National Museum of Women in the Arts, and through volunteer work in a church soup kitchen. She hopes to increase public awareness and to arouse sympathy for this issue. The works featured in the exhibit are done in mixed media, including acrylic, canvas, photocopy, and oil paint.

Nobel laureate will present Russell Marker Lectures

Subrahmanyan Chandrasekhar

Nobel laureate Subrahmanyan Chandrasekhar, professor emeritus of the University of Chicago, the Enrico Fermi Institute, and the Laboratory for Astrophysics and Space Research, will present the Russell Marker Lectures in the Physical Sciences Oct. 28-31 at University Park.

Dr. Chandrasekhar, an enthusiast in the historical evolution of science and a renowned lecturer to general audiences, will speak on "Newton's Principia: The Intellectual Achievement That It Is." The series of four lectures is sponsored by the Eberly College of Science and is free to the public.

The lecture schedule includes: "The Principia: How It Came to Be Written," 8 p.m. Monday, Oct. 28, 112 Buckhout Laboratory; "The Propositions of Book I; The Superb Theorem," 8 p.m. Tuesday, Oct. 29, 112 Buckhout; "Newton's Deduction of His Universal Law of Gravitation," 8 p.m. Wednesday, Oct. 30, 112 Buckhout; "A Variety of Cognate Matters," 3:30 p.m. Thursday, Oct. 31, 85 Osmond Lab.

Dr. Chandrasekhar, who is considered one of the most important theoretical physicists and astrophysicists of this century, and William A. Fowler were honored with the 1983 Nobel Prize in Physics for their exploration of the properties and behavior of aging stars; specifically, what happens as stars consume their nuclear fuel, from new elements, and eventually collapse. Their research led not only to the discovery of white dwarfs, what remains of a star after it has collapsed, but also to the concepts of neutron stars and black holes.

Dr. Chandrasekhar was 19 years old when he began his studies of the rules governing the collapse of stars. Scientists consider one of his "rules," the so-called Chandrasekhar limit, to be one of the foundations of modern astrophysics. His work showed for the first time how the evolution of stars is governed by the laws of relativity, quantum mechanics, and thermodynamics.

A native of India, he studied at the Presidency College, Madras, before earning a doctoral degree in physics at Cambridge University. He is a Fellow of the Royal Society of London and a member of the National Academy of Sciences, the American Physical Society, the American Philosophy Society, the Cambridge Philosophy Society, the Royal Astronomy Society, and the American Astronomy Society.

The Marker Lectures series was established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry.

News in Brief

Penn College groundbreaking
Pennsylvania College of Technology conducted groundbreaking ceremonies Friday, Oct. 18, for a $13.5 million campus center.

The 110,000 square- foot facility will feature both recreational and instructional space for students. It will house food services, student lounges, a non-alcohol night club, a fitness center, bookstore, child care facility, offices for student organizations, counseling and advisement services, and fine arts instructional areas.

"This is probably the building which will most make the college's collection of buildings a campus in the purest sense of the word," Robert L. Breuder, Penn College president, said.

The ultra- modern facility is to be named the Alvin C. Bush Campus Center after the local state representative and chairman of the College's board of directors.

Defense science in Australia
Roger Crcaser, counsellor of defense science for the Australian Embassy in Washington, D.C., will give a seminar on "The Defense Science-Industry Nexus in Australia" at 3:45 p.m. Thursday, Oct. 24, in 101 Kern Building at University Park.

The seminar is sponsored by the College of Engineering and the Australia-New Zealand Studies Center.

Arnold lecture
William W. Fortenbaugh, professor of classics at Rutgers University, will give the 1991 Carroll C. Arnold Lecture as part of the Speech Communication Colloquium series at 4:30 p.m. Thursday, Oct. 24, in 273 Willard Building at University Park. His talk is titled "Aristotle on Persuasion Through Character."

A specialist in Aristotle and Greek rhetoric, Dr. Fortenbaugh has published widely on Aristotle's philosophy and its bearing on rhetoric and on other rhetoricians such as Theophrastus and Cicero.

Research participants sought
Automotive noise study has an immediate need for non-student listeners to evaluate sound quality in car interiors. Participants are required to listen to the interior noise from several vehicles and then rank them in order of preference.

Requires normal hearing; will involve less than one hour of time for free hearing screening and study participation. Upon completion of the session, each participant will receive $8 remuneration. Contact Kathy Hodgdon at 865-2447 to schedule your session.

Professional Women at Penn State
Professional Women at Penn State will host an Open Agenda meeting on Tuesday, Oct. 29.

The brown- bag lunch meeting will begin at 11:45 a.m., with an opportunity for informal networking, in the Frizzell Room of the Eisenhower Chapel at University Park. The Open Agenda meeting will begin at 12:10 p.m. Participants will have an opportunity to discuss topics of their choosing within a group setting.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

Call for program proposals
Program proposals are being accepted for presentations, workshops, posters, and roundtable session for the 1992 Microcomputer Information Exchange Conference and Computer Fair, "Reinventing Education," scheduled for March 20-21, 1992, at the Keller Conference Center. Deadline to submit a proposal is Nov. 1.

The empbasis of this year's conference is being expanded to encompass both traditional demonstrations of successful computer applications and a series of presentations and roundtable discussions on educational innovation. For more information, contact Donna Ricketts, conference coordinator, 863-1743.

Classics colloquium
Robert Fagles, chairman of the Department of Comparative Literature at Princeton University, will discuss the craft of translation and read from his version of the Iliad at 8 p.m. Tuesday, Oct. 29, in 112 Kern Building at University Park. His talk is the first in the Department of Classics' colloquium series, celebrating "A Year of Homer."

Dr. Fagles has published widely acclaimed translations of Aeschylus' Oresteia and Sophocles' Oedipus plays and Antigone.

The lecture is supported by the departments of Classics, Art History, Comparative Literature, History, Linguistics, Philosophy, Speech Communication and the Institute for the Arts and Humanistic Studies.

Resignation announced
Scott F. Healy, director of admissions and assistant vice president, has tendered his resignation from the University, effective Dec. 31, 1991.

In announcing Mr. Healy's resignation, C. Gregory Knight, vice provost and dean for undergraduate education, said that a search and screening committee will be appointed in the near future. Jerry B. Covert, associate dean for undergraduate education, will serve as acting director of undergraduate admissions until a permanent appointment is made.

East Asia discussion
"The New International Order in East Asia" is the subject of a panel discussion by government experts and leading academic specialists, sponsored by the Center for East Asian Studies, at 3:30 p.m. Friday, Nov. 1, in the Assembly Room of the Kern Graduate Commons at University Park.

The panel will be chaired by Parris H. Chang, director of the Center for East Asian Studies. The presentation, open to the public, is co-sponsored by the student-run East Asian Studies Society of Penn State.

For more information, contact Dr. Chang at 865-1698 or 863-0970.

Relationship enhancement
The next Relationship Enhancement Program for couples offered by the Individual and Family Consultation Center is scheduled for 9 a.m. to 5 p.m. Nov. 2-3. For information and registration, contact Joanne Kempher at 865- 1751.

Business professors discover:

Problem solvers look to tables rather than graphs for solutions

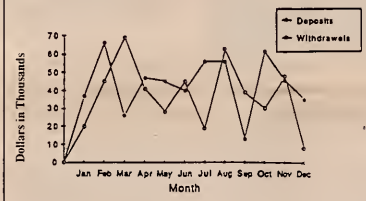


Figure A
Spatial Problem Representation

Dollars in Thousands

Month	Deposits	Withdrawals
Jan	37	20
Feb	66	45
Mar	26	69
Apr	47	41
May	45	28
Jun	40	45
Jul	56	19
aug	56	63
Sep	13	39
Oct	62	30
Nov	46	48
Dec	35	8

Figure B
Symbolic Problem Representation

When presented with the some information, - one in graph form as in Figure A above, and one in table form as shown in Figure B - problem solvers prefer to work with a table format for finding solutions.

When given a choice, problem solvers prefer to work with tables, rather than graphs, even if there are performance disadvantages in doing so, a Penn State researcher says.

:"Graphs and tables can present the same information in different formats, but people are biased toward tables and will often use them when graphs might be more helpful," says **Iris Vessey**, associate professor of management information systems in the Smeal College of Business Administration.

Dr. Vessey studied the use of graphs and tables with **Dennis Galletta**, assistant professor in the University of Pittsburgh's Katz Graduate School of Business. Their work was supported by Penn State's Center for Interdisciplinary Research in Information Systems and the University of Pittsburgh.

The researchers tested 128 volunteer MBA students' habits in solving spatial or graph-oriented problems and symbolic or table-oriented problems.

"Tables enabled users to make faster and more accurate decisions on tasks requiring discrete numeric values than did graphs," Dr. Vessey noted. "For tasks requiring associations among numeric values, users with graphs were faster than those with tables."

The subjects not only preferred tables for solving both table- and graph-oriented problems, but they also seemed to have a stronger concept of the types of tasks supported by tables.

Unlike Drs. Vessey's and Galletta's work on the use of graphs and tables in the context of the task at hand, many researchers have attempted to prove graphs superior to tables for any task. However, those studies have produces inconsistent results, Dr., Vessey said.

Choosing appropriate ways to display data has become increasingly important because computer software can produce a range of graphics, Dr. Vessey added.

"Problem solving is more difficult when the way the data is presented and the task itself do not emphasize the same type of information," she said. "True, a graph can be used to find a specific numeric value, or a table to determine a trend, but one must work harder than necessary to reach the answers needed in those ways."

New approaches are needed to help those who often fail to efficiently match problem representations and tasks to one another, the researchers added. One approach, although it goes against current trends in software development, may be to limit the number of display formats from which problem solvers may choose.

"It appears that providing fancy decision support systems to satisfy individuals' desires may not have a large effect on either the efficiency or the effectiveness of problem solving," Dr. Vessey said. "We should, instead, concentrate on determining the characteristics of the tasks to be solved and supporting them with the appropriate problem representations and support tools. -- **Gary Cramer**

Dr. Vessey

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m., Thursday, October 31. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01888, **Operations Coordinator, Eberly College of Science, Computer Science, University Park Campus** -- Responsible to lab director for hardware installation and maintenance. Oversee lab procedures, files, inventory, quality control; supervise lab operators; provide technical advice and training. Requires bachelor's degree, or equivalent, in computer science, engineering or related field, plus two to four years of effective experience. Hardwace installation and maintenance procedures required. STAFF GRADE 6.

■01889, **Information Technology Associate, Eberly College of Science, Biology, University Park Campus** -- Responsible to department head for administering departmental computing facilities. Provide technical training, supervise assigned personnel; write documentation; evaluate, design, modify hardware/software, recommend purchases; initiate orders; establish and maintain networks; oversee security; troubleshoot problems. Requires bachelor's degree, or equivalent, in computer science, engineering, or related discipline plus two to three years of effective experience with appropriate hardware and software. STAFF GRADE 7.

■01890, **Accountant--Vending, Housing and Food Services, University Park Campus** -- Responsible to the manager of business services for the general control and coordination of the accounting procedures required of vending operations. Requires bachelor's degree, or equivalent, in accounting, accounting operations or financial management. Over three months up to and including twelve months of effective experience required. STAFF GRADE 4.

■01891, **Data Processing Support Specialist, Liberal Arts, Sociology (PA Commission on Sentencing), University Park Campus** -- Responsible to the data supervisor to manage large data sets on mainframe management system to maintain databases from three to four state agencies. Serve as staff to a multi-agency committee which prepares projections of the State's correctional population and assesses the potential impact of legislation on the system. Requires bachelor's degree in social science or computer science, or equivalent, in related fields. Must possess strong problem solving skills and have working knowledge of VM/CMS and SAS. This is a fixed-term position funded through June 30, 1992, with excellent possibility of refunding. STAFF GRADE 6.

■01892, **Assistant Director, Center for Survey Research, Institute of State and Regional Affairs, Penn State Harrisburg** -- Responsible for overseeing the daily operations of the applied research projects of the Center for Survey Research; preparing project proposals and reports, for administering assigned project budgets, and responding to requests for information. Requires bachelor's degree, or equivalent, in business or the social sciences plus two to four years of effective experience in organizing and managing research activities to include survey research, general statistical analysis and computer applications. Supervisory experience is required. Master's degree preferred. STAFF GRADE 7.

■01893, **Area Representative, CES, Berks Campus** -- Responsible to the Berks Campus director of Continuing Education for planning, scheduling, staffing, workshops, conferences and contracting services with clientele organizations. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in Business Industry or Education. STAFF GRADE 7.

■01894, **PENNLINK Coordinator, Agriculture, Computer Services, University Park Campus** -- Responsible for planning, developing and evaluating user support and education for the PENNLINK electronic communications project. Requires bachelor's degree, or equivalent, in agriculture or technology related field plus one to two years of effective experience. Excellent oral and written communication skills, including the ability to communicate technical information to non-technical audiences, are required. Experience in project planning and management also is required. Experience with Apple Macintosh, MS-DOS and Digital VAX computers, and knowledge of data communications is preferred. This is a fixed-term position funded through June 30, 1993. STAFF GRADE 6.

■01861, **Bookstore Manager, Bookstore, Penn State Altoona Campus** -- Responsible to the director, Penn State Bookstore System, for the purchasing, merchandising, and financial aspects in the day-to-day operation of the bookstore to include supervision of all staff. Consult with campus administration, faculty, and staff to determine course requirements including books and special materials. Keep abreast of new trends in the bookstore industry. Requires bachelor's degree, or equivalent, plus two to four years of effective experience in business or retailing. This is a re-announcement. STAFF GRADE 7.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **October 31.**

■19289, **Nurse Manager, Department of Nursing Administration** -- Responsible to the assistant director of nursing services for directing, supervising, coordinating and evaluating all activities of the Department of Nursing on assigned shift and/or area of responsibility. Requires a master's degree plus one to two years of effective hospital nursing experience or bachelor's degree with two to four years of effective hospital nursing experience. Also requires registered professional nurse currently licensed by the Pennsylvania Board of Nursing. STAFF EXEMPT, GRADE 7.

■10052, **Chief Technologist, Chemical Laboratory, Clinical Laboratories** -- Reports to and is responsible to the manager, Clinical Laboratories, for efficient and economical functioning of the Chemistry Section of the Clinical Laboratories, as well as to the director of the Clinical Laboratories for the selection of testing methods, quality control, normal ranges, and other technical direction. Requires a bachelor's degree in medical technology - MT (ASCP) or equivalent; plus 4-7 years of effective experience in a clinical laboratory. STAFF EXEMPT, GRADE 7.

■10051, **Assistant Director for Reimbursement, Department of University Physicians Professional Billing** -- Responsible to the director, University Physicians Professional Billing, for planning, organizing and controlling professional reimbursement systems, supervision of reimbursement staff and related analyses to insure maximization of physician reimbursement. Requires a bachelor's degree in business administration, accounting or public administration with 4 to 5 years of effective experience with emphasis on third-party professional reimbursement. STAFF EXEMPT, GRADE 8

Garage construction to begin

The University Parking Office has announced that construction of the Blue D Staff Parking Garage behind Eisenhower Auditorium will begin Monday, Nov. 4. Effective on that date parking in the area will be prohibited for the duration of the construction period.

All faculty and staff normally assigned parking in the area should begin using the extra staff parking provided at the intersection of Bigler and Curtin Roads, designated Parking Area Blue A Circle. Blue A Circle, created last year in anticipation of this temporary displacement, will be extended northward into what was formerly resident student parking lot 80. The northern boundary is demarcated by the wooden barrier.

The student resident vehicles displaced will be required to relocate to student lot 43. Lot 43 is the gravel lot located along Curtin Road, between student commuter lot 44 and faculty/ staff area Orange L.

The 821- space parking structure will provide much needed parking resources to accommodate increasing faculty/staff demand during the day and parking support for Eisenhower Auditorium during the evenings and on weekends. The structure also will house new office space for University Safety.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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October 31, 1991 Volume 21, Number 11

Forni announces plans to retire

Frank E. Forni, special assistant to the president for governmental affairs, has announced plans to retire effective Dec. 31.

Mr. Forni, who has served as special assistant since 1986, says he felt the time had come to step down as the University's chief lobbyist.

"This is not an easy decision to make in terms of the privilege it is to work with Dr. Thomas and the satisfaction I find in promoting in Harrisburg and Washington the good programs, fine faculty and urgent needs of the University," he said. "But this is an opportunity my wife, Vicki, and I feel is right for us at this time."

As special assistant to the president, Mr. Forni directs the Office of Governmental Affairs, which is charged with governmental liaison in Harrisburg and Washington, D.C., as well as the greater Centre County community and communities in which all Penn State campuses are located.

"In my first year here at Penn State, it did not take long to understand the important role Frank and his staff serve for the University," President Thomas said. "I will certainly miss his insight and the good counsel he provides."

Prior to assuming his current position, Mr. Forni served for 10 years as the University's representative in Harrisburg.

Frank E. Forni

In addition to the passage of the annual appropriation legislation, the two accomplishments he is most proud of is the securing of $33 million from the Commonwealth for the South Hospital Addition at the Hershey Medical Center and $34 million for the Academic/Athletic Convocation and Events Center at University Park.

"One will provide for the health needs of our society while the other will provide tremendous benefits not only to

Sea 'Forni' on Pega 3.

President's statement

I want to take this opportunity to remind you that Penn State University has taken a strong stand against harassment of any kind, including sexual harassment. Sexual harassment can be devastating to its victims, interfering with their ability to work or learn to their fullest potential. In addition, others in the work unit, including those who may engage in the harassing behavior, can be damaged by its effects.

We bave established a number of ways for members of the University Community to become better informed about and prepared to confront issues of sexual harassment:

Personnel from the Human Resources Development Center, the Affirmative Action Office, the Campus Life Assistance Center and Human Resources are available to lead workshops or informal discussions on the issue. I know that administrators in a number of units have undertaken training sessions for all their employees. I urge others to consider doing so.

A brochure defining sexual harassment, giving some examples of harassing behavior and suggesting ways to combat it was developed and widely distributed last spring. Additional copies are available from the Affirmative Action Office.

A network of nearly 100 individuals who have been trained to hear concerns of sexual harassment is in place. Each college, administrative unit and campus has designated at least one person to serve in this role. Names of sexual harassment contact persons may be found in the brochure mentioned above or obtained from the Affirmative Action Office or your dean or campus executive officer. If you experience or witness behavior you believe to be sexual harassment, you may contact the Affirmative Action Office, the Campus Life Assistance Center or one of the individuals designated in your area.

Complaints of sexual harassment will be handled in the most confidential manner possible, with utmost respect for all parties involved. Individuals bringing complaints are protected against retaliation by law and University policy.

See 'Statement' on Paga 3.

Rosemary Schraer to lead off Commission's speaker series

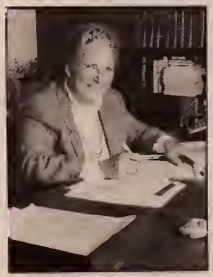
The Commission for Women will inaugurate its 10th anniversary speaker series beginning Wednesday, Nov. 6, with Rosemary Schraer, chancellor of the University of California-Riverside.

Dr. Schraer will speak at 1 p.m. in Eisenhower Chapel at University Park. A reception will follow her presentation. All members of the University community are invited.

Chancellor Schraer received her higher education at Syracuse University, earning her bachelor's degree in chemistry, her master's in zoology, and her Ph.D. in biochemistry. From 1959 to 1986, she served in various capacities as teacher, researcher and administrator at Penn State. Her research focused on biochemical aspects of cell structure and biochemical control of cell functions related on reproduction and calcium transport. She served on the Commission for Women from 1981-84.

In addition to her University service, Dr. Schraer is a Fellow of the American Association for the Advancement of Science and the American Institute of Chemists. She also is a Fellow of Cambridge University's Cavendish College in the United Kingdom.

The Commission for Women speaker series was designed to increase the visibility of former and present Penn State women while also acknowledging their achievements. Additional speakers in the series will be Kathryn Moore, chair of the Department of Educational Administration at Michigan State University, Feb. 3, 1992, and Carol Cartwright, president of Kent State University, March 30, 1992.



Rosemary Schraer

Additional information on the speaker series can be obtained by contacting the Commission office at 863-7696.

Center gets grant

The Population Issues Research Center, directed by Dennis P. Hogan, professor of sociology, has been awarded a five-year, $2 million core support grant from the National Institute of Child Health and Human Development.

The award confers Population Research Center status (P30) on the center, recognizing it as one of eight leading centers for population research in the United States. Other universities with Population Research Center status are Brown, Chicago, Johns Hopkins, Michigan, North Carolina, Pennsylvania and Wisconsin.

The grant will support centralized research services and facilities in the center, which will augment the quality, productivity and cost-effectiveness of population research. It was awarded after a national competition in which the center, part of the Institute for Policy Research and Evaluation, was ranked

Sea 'Grant' on Paga 3.

Focus on Diversity

Dr. Bragger will chair International Council

Jeannette D. Bragger, associate dean for undergraduate studies in the College of the Liberal Arts, has been appointed chair of the International Council for the 1991-92 academic year.

The International Council is a University- wide body composed of associate and assistant deans with responsibilities for international activities in their respective units. It constitutes a vital link between the University Office of International Programs and the Office of the President by representing all major units of the University.

The chair ensures that the Council's primary objectives are carried out. These include, but are not limited to, the enhancement of education abroad programs, facilitating international cooperative programs, and the fostering of an international climate within the university community.

Dr. Bragger has represented the College of the Liberal Arts on the International Council since 1985. She also has chaired the Education Abroad Advisory Committee, served as a member of the International Cooperative Programs Advisory Committee, and, more recently, served on the *ad hoc* committee to evaluate both the past accomplishments and future directions of the Council. Her international expertise is in the areas of French language and culture.

Under Dr. Bragger's leadership, the International Council will address issues such as inclusion of international programs in the University's fund-raising efforts, inclusion of international components in the University's curriculum, research and analysis of international issues (both within and external to the University), involvement of Commonwealth Campuses, information flow between the International Council and its member units, and linkages with the Big Ten and international programs of the Committee on Institutional Cooperation (CIC).

Jeannette D. Bragger

Diversity Opportunities Calendar

Monday, Nov. 4
Office of Student Activities and Religious Affairs, 12:05 p.m. to 12:55 p.m., Eisenhower Chapel's Informal Lounge. Brown bag lunch, video presentation and discussion titled, "Political Correctness: The Big Chill." Video will feature Catherine Stimpson, Rutgers University Graduate School dean and Lynne Cheney, National Endowment for the Humanities chair.

Center for Women Students and Residence Life Programs, 7:30 p.m., 162 Willard Building. Film presentation titled, "Dreamlands: Desire-Sex-Power in Rock Video."

Tuesday, Nov. 5
Center for Women Students and Counseling and Psychological Services, 7 p.m., HUB Fishbowl. Presentation titled, "The Psychological Effects of Rape on the Victim," by Jill Morgan, Counseling and Psychological Services clinical psychologist.

Institute for the Arts and Humanistic Studies and the Department of Art History, 8 p.m., 112 Kern Building. Photo exhibit titled, "Art that Shakes and Shapes Indian Identity," by Photographer Jolene Rickard.

Wednesday, Nov. 6
Center for Women Students, noon to 1 p.m., 120 Boucke Building. Film/ Discussion, titled "Dating Rites: Gang Rape on Campus." Discussion will be led by Patty Johnstone, Center for Women Students assistant director.

Commission for Women, 1 p.m. to 1:30 p.m., Eisenhower Chapel. Lecture marking the 10th anniversary of the Commission by Rosemary Schraer.

Center for Women Students, Student Counselors/Campus Life Assistance Center, 8 p.m., HUB Ballroom. Discussion titled, "Let's Talk Sexual Assault – An Opportunity for Students to Speak," led by student counselors.

Forum on Black Affairs, 7:30 p.m., Paul Robeson Cultural Center. General membership meeting.

Thursday, Nov. 7
Women of Color and Men of Color, noon to 1 p.m., 101 Kern. Presentation titled, "Perspectives on Political Correctness," by James Stewart, vice provost; Emilia Martinez-Brawley, professor of social work and Victor Dupuis, professor of education.

Center for the Study of Higher Education, 8 p.m., HUB Gallery. Lecture titled, "What is Correct about Politically Correct?"

Department of Human Development and Family Studies, 8 p.m., HUB Assembly Room. Lecture titled, "Mental Health Issues for Lesbians and Gay Men: An Affirmative Perspective," by Esther Rothblum of the University of Vermont.

'Emerging Voices' lecture series planned

Addressing the resurgence of bigotry and racially motivated aggression against women and minorities in higher education is the focus of a year-long lecture series sponsored by the Equal Opportunity Planning Committee and the College of Education's Center for the Study of Higher Education.

The series titled, "Emerging Voices in the Academy and Their Transformative Effect on the Curriculum," begins at 8 p.m. Thursday, Nov. 7, in the HUB Gallery. Catharine R. Stimpson, Rutgers University professor, graduate school dean and vice provost for graduate education, will make a presentation titled, "What Is Correct about Politically Correct?" The event is co-sponsored by the Equal Opportunity Planning Committee, the Paul Robeson Cultural Center, the Women's Studies Program and Undergraduate Education.

"With this series we want to bring light to the hidden voices of the underrepresented who have been the ignored by the academy," says Estella Bensimon, assistant professor of education and research chair in the Center for the Study of Higher Education and lecture series chair. "We believe this series also can address a growing concern that the term "politically correct" is being used as an attempt by some to shut out underrepresented groups."

Other lectures will include:

"Transforming Knowledge: Excellence vs. Equity," by Elizabeth K. Minnich, Union Institute Graduate School professor, 8 p.m. Feb. 26, HUB Assembly Hall. The lecture is co-sponsored by Women Studies, the Black Studies Program, the Center for Women Students, College of Health and Human Development and the Institute for Arts and Humanistic Studies.

"The Challenge of Black Feminist Thought," by Patricia Hill Collins, University of Cincinnati associate professor of African-American studies, 7:30 p.m. April 16, Paul Robeson Cultural Center. The event is co-sponsored by the Center for Women Students, the Paul Robeson Cultural Center and the Black Studies Program.

Films, lectures on sexual assault are scheduled

Several University departments, student organizations and committees have organized to sponsor films, lectures and discussions for Sexual Assault Awareness/Prevention Week at University Park Nov. 4- 13.

Sponsored by the Equal Opportunity Planning Committee and the Center for Women Students, activities will begin at 7:30 p.m. Monday, Nov. 4, in 162 Willard Building with a film presentation titled, "Desire-Sex Power in Rock Video." Co-sponsored by Residence Life Programs, the presentation will examine how women are portrayed in the world of rock videos.

Other activities include:

– Tuesday, Nov. 5, lecture titled, "The Psychological Effects of Rape on the Victim," by Jill Morgan, Penn State Counseling and Psychological Services clinical psychologist, 7 p.m. in the HUB Fishbowl. The event is co- sponsored by the Office of Student Activities and Counseling and Psychological Services.

– Wednesday, Nov. 6, Center for Women Students' brown bag lunch film/discussion titled, "Dating Rites: Gang Rape on Campus," noon to 1 p.m. in 120 Boucke Building. Film presentation recorded by WVIA-TV, a Scranton public broadcast system station, will be followed with discussion by Patty Johnstone, Center for Women Students assistant director.

A presentation titled, "Let's Talk Sexual Assault – An Opportunity for Students to Speak," is scheduled for 8 p.m. in the HUB Ballroom. The program is co-sponsored by Student Counselors and Campus Life.

– Tuesday, Nov. 12, films titled, "Latinos Fight Back," and "Diana's Hair Ego: AIDS Information Up Front," will be followed with discussions at 7 p.m. in the Paul Robeson Cultural Center. The presentation will address rape from a culturally diverse perspective. It is co-sponsored by Sigma Gamma Rho Sorority and the National Pan-Hellenic Council.

– Wednesday, Nov. 13, a mock acquaintance rape trial is scheduled for 7:30 p.m. in the HUB Assembly Room. The trial will feature the honorable Judge David E. Grine; April Chamberlain, an assistant district attorney and Bill Bispels, an assistant public defender,

Three graduates return to visit as Alumni Fellows

College of Science

Nicholas Pelick, member of the board of Mellon Bank and co-founder of Bellefonte-based Supelco Inc., and John E. Hampford, president of Hampford Research Inc. of Stratford, Conn., visited University Park Oct. 24 through 26 as Alumni Fellows in the Eberly College of Science.

Mr. Pelick received his bachelor's and master's degrees in biochemistry from Penn State in 1959 and 1964. In 1965 he helped to found Supelco Inc., a manufacturer of chromatography chemicals and products. He held positions as the company's president, chairman of the board, and chief executive officer, leading Supelco to grow into an international company with

Nicholas Pelick

subsidiaries in the United States, Switzerland, Germany, France, Japan and Canada.

Mr. Pelick has served as president of the American Oil Chemists' Society; director and charter member of the Pennsylvania Biotechnology Association, and director and charter member of the Private Industry Council of Centre County. A member of Penn State's Science Alumni Board and the Eberly College of Science Advisory Board for Scholarships, he also is a member of the President's Club of Penn State.

John E. Hampford

Mr. Hampford graduated from Penn State in 1954 with a bachelor's degree in chemistry. He is the developer, along with A. G. Spalding, of the crosslinking agent that pioneered the development of the two-piece golf ball, which now dominates the golf-ball market. He also pioneered the development of acrylics for use in radiation-cured coatings, adhesives and photography.

Mr. Hampford has been president of the Ware Chemical company and the Synpro-Ware division of Dart & Kraft, Inc., and is now president of Hampford Research, Inc., of Stratford, Conn., a manufacturer of specialty organic chemicals. An active volunteer for numerous civic groups, he also is a member of the Mount Nittany Society, the Southern Connecticut Penn State Club and the Penn State Alumni Association.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units of Penn State. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

EMS alumnus

Pittsburgh industrialist and civic leader **John T. Ryan Jr.**, '34 mining engineering, has been named Alumni Fellow of the College of Earth and Mineral Sciences. He will visit University Park Nov. 6 to receive the award and meet with students and faculty.

For the past four decades, Mr. Ryan has directed Mine Safety Appliances Company (MSA), a firm established in 1908 to provide safety equipment for coal miners. He has diversified the company's interests to include a broad range of industrial safety gear and monitoring devices, so that it is now the world's largest manufacturer in its field. After serving as board chairman from 1963 to 1990, he is currently chairman of MSA's Executive Committee.

Mr. Ryan has been very active in civic affairs in the Pittsburgh area, and

John T. Ryan Jr.

has taken a particular interest in the administration of the region's hospitals and in industrial development. He was named Pittsburgh Man of the Year in 1962, and received the David Glick Award of the World Affairs Council of Pittsburgh (1988). The American College of Healthcare Executives named him an Honorary Fellow in 1958.

He has served as president of the Alumni Association (1953-55), and as adviser to the University's Business Administration Programs. He was named a Distinguished Alumnus in 1961.

Mr. Ryan received an MBA from Harvard University in 1936 and he holds an honorary D.Sc. from Dusquesne University and honorary LL.D. from the University of Notre Dame.

Forni

(Continued from Page 1)

our outstanding athletic program but for academic initiatives, conferences, conventions, trade expositions, and other related activities as well," he says.

However, Mr. Forni also noted that these achievements would not have been possible without the support of the University and his colleagues in Governmental Affairs, the several commonwealth administrations, and elected officials and their staffs, both in Harrisburg and Washington.

Mr. Forni joined the University in 1966 and served three years as an assistant for budget planning in the Office of the President. In 1969, he was named director of governmental relations and was named director of Commonwealth relations in 1975.

A native of New Haven, Conn., he holds a bachelor of arts degree in political science from the University of Bridgeport and a master of public administration degree from Penn State.

Statement

(Continued from Page 1)

The best way to eliminate sexual harassment from our University community is to be informed, aware, and ready to take responsible action. I urge you to join in a commitment to ensuring an environment which is respectful and supportive for all.

-- Joab Thomas

Grant

(Continued from Page 1)

above competing population centers at Princeton University, the University of Texas, and the University of California at Berkeley.

In making this award, the NICHD Population Research Committee noted the center's tremendous strides toward "joining the ranks of the nation's premier population centers."

In research project

Evaluation, treatment offered

A University faculty member is currently supervising a research project that is offering free evaluation and treatment for women who are depressed and unhappily married.

Approximately 25 percent of women and 12 percent of men will experience an episode of clinical depression during their lifetime. According to Mark A. Whisman, assistant professor of psychology, the biggest risk factor for depression is being in an unhappy marriage.

"Both women and men are 25 times more likely to be depressed if they are unhappily married than if they are happy with their marriage," Dr. Whisman says. "Approximately 50 percent of depressed people are in unhappy marriages, and 50 percent of individuals in unhappy marriages are depressed."

Under Dr. Whisman's direction, researchers with the Center for the Treatment of Depression and Marital Discord are comparing the effectiveness of two treatments for women who are depressed and unhappily married. Evaluation and treatment for persons admitted to the research program are free.

The one treatment program consists of individual cognitive therapy with the depressed woman alone. The other program consists of marital therapy with both spouses, combined with individual cognitive therapy for the depressed woman.

Patients in the study are clinically depressed women 18-64 years of age who are also unhappily married. To qualify for the treatment program, women must not be currently taking antidepressants or undergoing any other form of therapy.

Persons interested in participating in this free evaluation and treatment program can reach the Center for the Treatment of Depression and Marital Discord at (814) 863-6022.

NASA selects Dr. Cordova for telescope project

NASA has selected **France Cordova**, professor and head of the Department of Astronomy and Astrophysics, to manage the design and production of the $5.25-million "brain" of a new space telescope.

The project is part of the $1 billion X-ray Multi-Mirror Mission (XMM) headed by the European Space Agency, which is scheduled for launch in 1998. During its 10-year mission, XMM will gather information on all classes of objects now known to exist in the universe.

The "brain," otherwise known as a digital processing unit, will send space pictures to earth from the mission's only optical telescope, the Optical Monitor. It will control the telescope to take optical pictures simultaneously with the mission's three x-ray telescopes, designed to probe a much larger area of the universe than ever before.

Optical Monitor is being fabricated by an international consortium of universities and research laboratories," said Dr. Cordova, who is the U.S. principal investigator for the project. She leads a team of astronomers from Penn State, Los Alamos National Laboratory and Sandia National Laboratories.

"Astronomers use simultaneous observations in x-ray and visible wavelengths to understand the physical mechanisms underlying the emission of radiation from stars and other objects in space," she added. "Placing the two types of telescopes on the same space platform overcomes past difficulties in coordinating space-based instruments with telescopes on Earth."

Dr. Cordova is recognized as a pioneer in attempts to promote the concept of multi-disciplinary, multi-wavelength astrophysics.

"XMM will be the first genuinely multi-wavelength observatory," she said, "because each of its x-ray observations will be accompanied by a sensitive optical measurement at visible and ultraviolet wavelengths.

The project manager for the U.S. effort is **David Lumb**, a University research associate who also is a co-investigator for an x-ray instrument on the XMM. "Our brain unit," he said, "will track the position of stars in the field of view and compress the data with novel techniques for its transmission to Earth."

The European Space Agency selected the project after evaluating other candidate proposals from around the world. The Optical Monitor is a collaboration among institutions in the United Kingdom, Italy, Belgium and the United States. Work on the Penn State project began early in 1990 with a precontractural grant from NASA.

Also involved in the project at Penn State are **David Leisawitz**, research associate in astronomy and astrophysics, who is in charge of writing computer code for the project's "brain," and two graduate students, **Richard Thompson** and **Craig Robinson**.

France Cordova

Campaign stop

Mimi Coppersmith Fredman, left, president of the Board of Trustees, greets Ginny and Richard Thornburgh during the senatorial candidate's visit to University Park on Tuesday, Oct. 22. (Photo: Greg Grieco)

Nobel laureate to give Althouse lecture

Joseph E. Murray, winner of the 1990 Nobel Prize in physiology or medicine, will give the 17th annual Paul M. Althouse Memorial Lecture on Tuesday, Nov. 5, at the Hershey Medical Center. The lecture, titled "The First Organ Transplants in Man," will begin at 4 p.m. in the hospital auditorium.

Dr. Murray is professor of surgery and chief of plastic surgery emeritus at Harvard Medical School. He received the Nobel Prize for his pioneering work in kidney transplantation.

A graduate of Harvard Medical School, he worked with skin grafting on soldiers at Valley Forge General Hospital in Phoenixville in the late 1940s and then began experimenting with kidney transplants in dogs in Boston. In 1954, Dr. Murray performed the first successful transplant of a kidney between two identical twins at Peter Bent Brigham Hospital in Boston.

His research led to transplants between people with dissimilar genes, and he collaborated with George Hitchings and Gertrude Elion, 1988 Nobel Prize recipients, on research with immuno-suppressive drugs.

For the past 30 years, Dr. Murray's research has focused on reconstruction of the face and head. He established the Craniofacial Surgical Center at Children's Hospital in Boston to treat children and adults with cranial and facial problems caused by birth defects, accidents or cancer.

The Althouse Lecture was established in 1974 to honor Paul M. Althouse, provost of the University at his death in 1972.

News in Brief

EOPC proposals

Proposals for Equal Opportunity Planning Committee funding are due Nov. 12 for programs proposed for the 1992 summer semester. Proposals for programs planned for the 1992-93 academic year are due Dec. 12. For more information, contact the Office of the Vice Provost at 863-7696.

International Lecture Series

Richard L. Clutterbuck, professor of engineering and honorary research fellow, University of Exeter, England, will speak on "International Crisis and Conflict" at 2:30 p.m. Tuesday, Nov. 5, in the International Lounge, 222 Boucke Building, at University Park.

His talk is part of the International Lecture Series.

Resignation announced

John D. Sink, campus executive officer at the Penn State Fayette Campus has announced he will be on a study leave next year and therefore has submitted his resignation as CEO, effective Dec. 31.

Under Dr. Sink's leadership, the Fayette Campus has enjoyed continuous growth in enrollments, physical and financial resources and in community visibility. His interests now are to pursue his own scholarly and research interests in science and public policy.

'Without Spanking or Spoiling'

The Returning Adult Student Center and the Single Parents Organization will present a program titled "Without Spanking or Spoiling" at 4 p.m. Tuesday, Nov. 5, in 329 Boucke.

Connie Schulz, homemaking consultant for State College Area Community Education, will discuss how a happy medium for child discipline can be created. She also will outline positive discipline techniques that can make the most of the parent-child relationship.

Child care will be provided. Please register by telephoning the Returning Adult Student Center at 863-3887.

Phi Beta Kappa

Pennsylvania Lambda Chapter of Phi Beta Kappa is interested in hearing from University faculty or staff members who were initiated into the society when they were students and who would like to become active in the Penn State chapter.

For further information, contact **Arthur Goldschmidt**, president at 863-0086; **Marilyn Keat**, secretary, at 863-2635, **Gabriele Michels**, treasurer, at 863-0405, or **Catherine Carter**, historian, at 865-1755.

Penn College enrollment

Pennsylvania College of Technology has again broken all previous records for enrollment and, for the first time ever, cracked the 4,000 plateau for full-time equivalent students.

At the end of the first full week of classes, Penn College enrolled 4,143 full time equivalent students, a greater than 10 percent increase over last year's figures and a 45 percent cumulative increase since Fall 1987.

According to data released by the College, this is the fifth straight year enrollment has increased at the institution. The growth trend is expected to continue next fall when the College begins offering four-year, baccalaureate degree programs.

Private Giving at Penn State

The University Libraries has announced the establishment of an endowment by the Class of 1966 in honor of the twenty-fifth anniversary of their graduation from Penn State and in memory of football Coach **Charles A. "Rip" Engle** who retired as head coach in 1966.

Thanks to the help from the Class of 1966 25th Reunion Gift Program Committee, gifts and pledges for the endowment total over $32,000 from 422 donors to date. A portion of the income generated annually from the endowment will be used to support and enhance the Libraries by providing monies for the purchase and preservation of books and other library materials.

"I think this (the Class of 1966 Libraries Endowment) is a particularly fitting tribute to Coach Engle," **Ronald Dow**, assistant dean, said. "First, because the endowment honors such a fine sportsman and coach who has meant so much to the traditions that are Penn State. And second, because by honoring Coach Engle with a library endowment, the Class of 1966 is creating a lasting contribution to the University's students and faculty."

Charles A. "Rip" Engle directed Penn State into national football prominence as the Nittany Lions' head coach from 1950 through the 1966 season. His sixteen year record at Penn State includes 104 victories, 48 defeats and 4 ties. Under his leadership, the Lambert Trophy was awarded to Penn State's 1961, 1962, and 1964 teams. He died on March 7, 1983, at the age of 76 and is survived by his wife Sunny, the former Mary Broughton; one son, Charles B. "Chip" Engle; and two grandchildren, Daniel and David.

Members of the Class of 1966 25th Reunion Gift Program Committee include: **John W. Higbee, chair; Carole Lewis Anderson, Robert L. Andronici, Bonnie Egli Avillion, Joseph J. Bellas (deceased), Mary Lou Ambrisco Bellas, Helen Garner Brenneman, Susan Smiley Caum, Dale A. Davenport, Michael S. Deutsch, Robert D. Egner, John N. Grode, Michael S. Kirschner, Don C. Patt, Don A. Pizer, Jerry Sandusky, Gregory A. Slachta, John C. Vlastelica, and Richard W. Webb.**

Charles A. Engle
Photo: Courtesy of The University Archives/Penn State Room

Faculty fellowship established in The Smeal College of Business

The family of **Franklin H. Cook** of State College has established a faculty fellowship in his honor in The Smeal College of Business Administration. Mr. Cook, professor emeritus of business law, taught at the University for more than 50 years. He died Aug. 12.

"Frank Cook's distinguished achievements as a teacher and researcher helped to build our college's reputation for excellence, and this fellowship is a fitting tribute to his career," **J.D. Hammond**, dean of the college, said. "It also will provide the kind of financial support that is so necessary for us to attract and retain faculty of the caliber of Professor Cook."

A faculty fellowship requires a minimum endowment of $100,000. The principal of the Cook endowment, which has been designated the Franklin H. Cook Faculty Fellowship in Public Policy, also includes a gift from **Gilbert Waltz** of Houston, Texas, a family friend and former student of Cook's.

Franklin Cook joined the University faculty in 1937 as an instructor in the Commerce and Finance Department. He eventually earned international recognition as an expert in public utility issues and business law. He retired in 1976 but continued to teach courses in business ethics on a voluntary basis for 12 more years.

A native of Vicksburg, Pa., Professor Cook earned a bachelor's degree in political science form Bucknell University in 1933. He also holds a law degree form Duke University and a graduate degree in economics from Penn State.

Couple give matching gift

$500,000 goes to nutrition chair

A retired executive and his wife have given $500,000, to match an earlier gift by the H.J. Heinz Company Foundation, to fully endow the Helen Guthrie Chair in Nutrition.

W. Clyde Thurman of McKeesport said he and his late wife, Ida Mae, decided to make the contribution to support Dr. Helen Guthrie's lifelong work in improving human health through nutrition.

The H.J. Heinz Company Foundation established the chair in 1989 with a $500,000 gift and invited others to donate the remaining $500,000. Dr. Guthrie, a member of the nutrition faculty for more than 40 years, was named to the position last year.

"The Thurmans' gesture is perfectly timed, and we're privileged that they provided funding for this very important project," Anthony J.F. O'Reilly, chairman, president and CEO of Heinz, said.

Dr. Guthrie's research has included the nutritional status of children and the elderly; the effectiveness of nutrition education programs and of methods for assessing the quality of the American diet.

Mr. Thurman learned of the need for additional funding for the Guthrie Chair through an article in The Quarterly, a Heinz Company publication for stockholders. He and his wife, Ida Mae, decided to make the gift prior to her death in January.

"McKeesport and the surrounding communities, like other areas of the country, have been helped by programs pioneered by Dr. Guthrie over the years to bring nutrition education to the people," he said. "In addition, Dr. Guthrie and her colleagues have trained many nutritionists who teach better nutrition to families in the Monongahela Valley.

"Dr. Guthrie's work has significantly improved human health — not only here but throughout the world."

25-year award recipients

Observing 25 years of service at the Applied Research Laboratory are, from left, Stanley R. Gryczuk, senior research assistant; Ernest M. Harpster, advanced engineering aide; W. Jack Hughes, senior research associate; Donald E. Kerr, deputy assistant to the associate director, technology; Charles W. McMullen, senior engineering aide.

Focus on the arts

Odyssey on WPSU

A feminist-revisionist view that medieval prostitutes were "independent" women is confronted on the next episode of Odyssey Through Literature, "Prostitutes, the Palace Sewers."

Ann Kettle of the University of St. Andrews, Scotland, uses historical surveys as well as Christine de Pizan's Book of the City of Ladies to examine contemporary attitudes towards prostitution; she concludes that such women were not exercising any options for independence.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Orchesis Dance Company

Orchesis Dance Company will present the best of its repertoire of ballet, jazz and modern pieces in "Dance in Performance" at 8 p.m. Friday, Nov. 1, and 2:30 and 8 p.m. Saturday, Nov. 2, in the White Hall Dance Theater at University Park.

The program will feature favorites such as Hollis Bunker's soft and lyrical "The Rose;" Chrissy Aldorasi's fast-paced, funky jazz, "Try Me;" the almost mesmerizing "At the Edge" by Julie Kurtz, and the light, quick contemporary ballet "Les Printemps" by Teresa Mazur.

Also included will be "Rhapsody in Blue" for the whole company by Angie Chiverini and Laura Sloane's "Waltz, Darling."

Tickets are $3 and are available at the door. Orchesis Dance Company is sponsored by the Department of Exercise and Sport Science in the College of Health and Human Development.

The arts on Channel 3

Tap dancing in all of its diverse forms is celebrated in "Gregory Hines' Tap Dance in America," airing at 9 p.m. Saturday, Nov. 2, on Great Performances on WPSX-TV. Hosted by dancer/actor Gregory Hines, master tappers Bunny Briggs, Sandman Sims and Jimmy Slyde perform their showstopping routines, while Broadway stars Tommy Tune, Hinton Battle, Gregg Burge and teenage sensation Savion Glover take the stage for their own solo turns.

The best and brightest young vocalists and dancers in America return to public television this holiday season in Fred Waring's U.S. Chorus 1991: Count Your Blessings, an all-new 60-minute music special airing at 9 p.m. Wednesday, Nov. 6.

Hosted by Artistic Director Virginia Waring, the program celebrates the warmth of home, the miracle of nature, faith, patriotism and the love of family and friends with such songs as "Home," "Beyond the Blue Horizon," "Sun in the Morning," "Friendship," "Way Back Home," "Amazing Grace," "The Star Spangled Banner," "We Will Stand" and many, many more.

School of Music faculty members Marylene Dosse, piano, Kim Cook, cello, and James Lyon, violin, form The Castello Trio, which makes its debut at 8 p.m. Thursday, Nov. 7 in the School of Music Recital Hall.

Architect to speak

Santa Monica architect Steven Ehrlich will present a lecture at 4 p.m. Monday, Nov. 4, in 112 Walker Building at University Park.

The lecture, sponsored by the College of Arts and Architecture and the students of the Department of Architecture, is free to the public.

Bracken Lecture

Joseph Passonneau, principal of Joseph Passonneau and Partners, Washington, D.C., will present "The Glenwood Canyon Highway: Designing within Fragile Environments" at 8 p.m. Tuesday, Nov. 5, in 129 Waring Commons at University Park.

The lecture is part of the Bracken Lecture Series sponsored by the Department of Landscape Architecture.

Mr. Passonneau will discuss his firm's involvement in the design of Interstate 70 through Glenwood Canyon in Colorado. Construction of the highway was begun in the early '60s but soon was terminated by protests from concerned citizens. Work resumed in 1975 after the National Transportation Act gave opposition groups veto power over the design and construction of the road and a citizens advisory committee was appointed to review engineering proposals.

Mr. Passonneau is a member of the Historic Preservation Review Board of the District of Columbia. He has won numerous awards for design and research.

A reception will follow in 210 Landscape Architecture Unit D. The lecture and reception are free to the public.

Photographer to speak

Jolene Richard, photographer and graphic designer, will present "Art that Shakes and Shapes Indian Identity" at 8 p.m. Tuesday, Nov. 5, in 112 Kern Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality, and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

An informal discussion with Ms. Rickard, sponsored by the Women's Studies Program, will be held at 3 p.m. in the Women's Studies Lounge, 12 Sparks Building.

Ms. Rickard's photographs have appeared in numerous exhibitions, including group shows at the Pueblo Grande Museum in Phoenix, the University of Michigan at Ann Arbor and the Silver Image Gallery in Seattle.

She is a member of the Tuscarora Nation and resides on the Tuscarora Reservation in Sanborn, N.Y. She received a bachelor of fine and applied arts degree from the Rochester Institute of Technology and a master of arts degree in multidisciplinary studies from Buffalo State College. She currently is a doctoral candidate in American studies at the University of Buffalo.

A reception will be held following the lecture in the lobby of Kern Building. The lecture and reception, as well as the afternoon discussion, are free to the public.

Phoenix Dance Company

The Phoenix Dance Company, a 10-member ensemble from Leeds, England, will bring its high-voltage, "go-for-broke" energy to Eisenhower Auditorium at University Park at 8 p.m. Wednesday, Nov. 6. The performance is presented by the Center for the Performing Arts.

Phoenix Dance Company annually spends 25 to 30 weeks on tour. The company has virtually reinvented itself since its founding in 1981 as a three-member all-male group. Currently the group has five women dancers to balance its five men.

A member of the company will discuss the evening's performance at 7 p.m. in the Eisenhower Auditorium Greenroom as part of the free lecture series, "Artistic Viewpoints."

The parking lot behind Eisenhower Auditorium is scheduled to close Monday, Nov. 4, due to construction. Parking lot Blue A, at the corner of Bigler and Curtin Roads, will be open to the public.

Horn quartet

The New Decade Horn Quartet will perform in concert at 12:10 p.m. Thursday, Nov. 7, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series supported by the School of Music and the University Lutheran Parish.

The program will include selections from the standard repertoire of original pieces by Lowell, Shaw and Hindemith as well as arrangements of works by Brahms, Bach and Handel.

See 'Arts' on Page

University Park Calendar

October 31 -- November 10

Special Events

Thursday, October 31

Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Flute Ensemble.

School of Music, 8 p.m., Recital Hall. Penn State Percussion Ensemble.

Friday, November 1

■ Center for East Asian Studies, panel discussion, chaired by Parris Chang, 3:30-5:30 p.m., Assembly Room, Kern.

Shaver's Creek, 6:30-10:30 p.m., Kids' Night Out. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. M. Butterfly, a play by David Henry Hwang.

Orchesis Dance Company, "Dance in Performance," 8 p.m., White Hall Dance Theater. Also Nov. 2 at 2:30 p.m. and 8 p.m.

Saturday, November 2

Relationship Enhancement Program for Couples, 9 a.m.-5 p.m. Register, 865-1751, Joanne Kempher.

Shaver's Creek, 5:30-7 p.m., Beavers By the Bridge. Call 863-2000.

Sunday, November 3

Shaver's Creek, 1:30-4 p.m., Junior Archaeologists at Masseyburg. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., Rear Window (1954); 9:15 p.m., Picnic at Hanging Rock (1975), 108 Wartik. Free.

Monday, November 4

"HUB Personal Issues Series," Center for Women Studies, Sexual Assault Awareness/Prevention Week, through Nov. 13.

Political Correctness, Brown Bag Lunch, noon, Eisenhower Chapel Informal Lounge. Rev. Kenneth I. Clarke will lead the discussion. Video of Catherine Stimpson, Rutgers Univ., Lynne Cheney, chair of the National Endowment for the Humanities, will debate PC and the appointment of a professor to the advisory council of the NEH who claimed that major literary prizes favored Black writers for political reasons.

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Sharon Carnicke, Univ. of Southern Calif., on "Stanislawski in the West: The English Language Curtain;" 7 p.m., Women's Studies Lounge, 12 Sparks, "Stanlinslavsky: Or How Much Do We Really Know About Stanislavsky?"

CWS Sexual Assault Awareness/Prevention Week, film presentation, Dreamworlds: Desire-Sex-Power in Rock Video, 7:30 p.m., Paul Robeson Cultural Center.

■ German Dept., film, 8 p.m., 101 Chambers. Stroszek (1977). Free.

Tuesday, November 5

■ International Lecture Series, 2:30-4 p.m., International Lounge, 222 Boucke. Richard L. Clutterbuck, Univ. of Exeter, England, on "International Crisis and Conflict."

CWS Sexual Assault Awareness/Prevention Week presentation, "The Psychological Effects Rape on the Victim," 7 p.m., HUB Fishbowl. Presented by Jill Morgan, clinical psychologist, Counseling and Psychological Services.

Wednesday, November 6

CWS Sexual Assault Awareness/Prevention Week, Brown Bag Lunch Series, film/discussion, noon-1 p.m., CWS Resource Room, 120 Boucke. Patty Johnstone will discuss a newly-acquired acquaintance rape prevention film. Also 8 p.m., HUB Ballroom, student counselors on "Let's Talk Sexual Assault—An Opportunity for Students to Speak."

Pre-Columbian pottery like this is on display through November at Peoples National Bank at corner of Calder Way and Allen streets as part of Palmer Museum's "Art to Go" program.

Commission for Women Speaker Series, 1 p.m., Eisenhower Chapel. Rosemary Schraer, Chancellor of the Univ. of Calif.-Riverside. Topic: "The Mandate for Diversity in Academic Leadership."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Phoenix Dance Company.

Thursday, November 7

"HUB Personal Issues Series," workshop, "Mental Health Issues for Lesbians and Gay Men: An Afirmative Perspective," 8 p.m., HUB Fishbowl. Workshop Leader is Esther Rothblum, Dept. of Psychology, Univ. of Vermont.

Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly. Esther Rothblum, Univ. of Vermont, on "Mental Health Issues for Lesbians and Gay Men: An Affirmative Perspective."

Sunday, November 10

Shaver's Creek, 2-4 p.m., Making Herbal Soap. Call 863-2000.

Center for the Performing Arts, 3 p.m., Eisenhower Aud. Hudson Vagabond Puppets, Peter and the Wolf and The Sorcerer Bird's Apprentice.

Carnegie Hall Film Series, 7 p.m., McCabe and Mrs. Miller (1971); 9:15 p.m., Mildred Pierce (1945), 108 Wartik. Free.

Conferences

Continuing Education
Keller Building

Nov. 3-5. Junior Science and Humanities Symposium. Paul Bell, chair; Jack Sinclair, coordinator.

Nov. 4-8. Underwater Acoustics and Signal Processing. Alan Stuart, chair; Kathy Karchner, coordinator.

Nov. 4-15. Police Executive Development Institute. James Homer, chair; Kathy Karchner, coordinator.

Nov. 5 and 7. Pa Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Nov. 5-7. Advanced Motor Fleet Supervisor Course. Eric Loop, coordinator.

Nov. 5-7. Shipboard Airborne Noise Control. Courtney Burroughs, chair; Bill Sterner, coordinator.

Nov. 8-9. Finite Element Circus. Norm Lathbury, coordinator.

Nov. 8-10. Certified Pool Operators. Tom Griffiths, chair; Jerri Milsom, coordinator.

Seminars

Thursday, October 31

■ Slavic Center Luncheon Seminar, noon, 124 Sparks. Marie Bednar on "Czechoslovakia—Two Years After the Velvet Revolution." Brown bag or order pizza.

Biological Chemistry, 12:15 p.m., 55 Osmond. Bob Sweet, Brookhaven National Laboratory, on "Adventures in Protein Crystallography at a Synchrotron Source."

Acoustics, 4 p.m., ARL Classroom, Applied Science. John Fahnline on "The Accuracy and Computational Efficiency of the Method of Wave Superposition or, The Computation of Acoustic Fields;" and Koorosh Naghshineh on "A Design Method for Achieving Weak Radiator Structures Using Active Vibration Control."

Friday, November 1

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Shannon Dunn Piersall on "Chemical Kinetics and Dynamics of the Mesospheric Sodium Nightglow."

Tuesday, November 5

Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center. Refreshments, 2:30 p.m. Herbert S. Cheng, Northwestern Univ., on "Modes of Asperity Lubrication and Their Effects on Sliding Failure."

Chemistry Colloquium, 3:30 p.m., 55 Osmond. Gerald M. Maggiora, Upjohn Co., on "Computer Modeling of Constrained Peptide Systems."

Graduate Program in Nutrition, 4 p.m., 108 Tyson. John Frangos on "Blood Flow and Cardiovascular Disease."

Thursday, November 7

Biological Chemistry, 12:15 p.m., 55 Osmond. Mike Natan on "Chemistry and Applications of Parathion Hydrolase."

Physics Colloquium, 3:30 p.m., 55 Osmond Lab. J. Rosner, Univ. of Chicago, on "Precise Electroweak Tests and Their Implications."

Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Mark Lomolino on "Biogeography and Conservation of Isolated Biota."

Gerontology Center Colloquia, 4 p.m., 106 Mitchell. Joseph Adelstein, Paul Nolen on "Music Therapy and Working with the Elderly."

Friday, November 8

Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Usharani Narem on "Root and Top Characteristics of 'Matua' Prairie Grass Compared to Other Cool-Season Species during Establishment."

Geog. Coffee Hour, 4 p.m., 319 Walker. Gary Gallagher on "Should Academics Be Interested in Civil War Battlefield Preservation." Refreshments, 3:30 p.m.

Exhibits

Chambers Gallery
Undergraduate Printmaking Exhibition, through Nov. 22.

HUB Galleries

Browsing Gallery:
Greg Grieco, photography, through Nov. 3.

Kern Galleries
Sherry Oberholtzer, hand made baskets, through Nov. 8.
Mary L. Schaefer, photo lithograph and oil paintings, through Nov. 8.

Palmer Museum of Art and Zoller Gallery
■ SWISSART In Celebration of the 700th Anniversary of the Swiss Confederation, through Nov. 17.

Pattee Library

East Corridor Gallery:
Rina Banerjee, "Significant Form," through Oct. 31.

West Lobby Gallery:
Adrienne Waltking, "Homeless in America," through Nov. 10.

Zoller Gallery
Pennsylvania Metals, through Nov. 3.

■ **Reflects an international perspective**

Partings

Clarence E. Thompson has retired from the Department of Intercollegiate Athletics after 27 years service.

As group leader of the intramural equipment facilities workers, Mr. Thompson supervised the preparation of sports equipment for club sports, summer camps and classes. He also was responsible for the athletic equipment at the Keystone Games. Among his other duties, he oversaw Intramural Building's weight and equipment rooms.

Mr. Thompson is fond of his memories of the students and faculty who stopped by to share a laugh with him.

Carl G. Fidora, mechanic A, Housing and Food Services, from June 18, 1979, until Jan. 1.

Alice C. Kessinger, dining hall worker in Housing and Food Services, has retired after 28 years service.

Ms. Kessinger worked in Johnston Commons and Findlay Commons in East Halls. She enjoyed working with the student and full-time workers.

During retirement, she plans to babysit for her young grandsons.

David L. Westby, associate professor of sociology, has retired after 30 years service.

Dr. Westby is known for his work in sociological theory and political sociology, especially the study of social movements. Author of *The Growth of Sociological Theory: Human Nature, Knowledge and Social Change* and *The Clouded Vision: The Student Movement in the United States in the Sixties*, Dr. Westby also has published papers in various journals and is recognized for his contributions to *The American Academic Encyclopedia*.

He has received two Fulbright awards: a lectureship at the University of Helsinki in Finland, in 1971 and a research appointment at Stockholm University in Sweden in 1983. He has since continued his research on social movements in Sweden.

He received his bachelor of science degree from the University of Wisconsin in 1951, his master of arts degree from the University of Minnesota in 1957 and his doctorate from Michigan State University in 1962.

Dr. Westby plans to continue his research and writing and is currently preparing a manuscript on the Swedish peace movement.

David L. Westby

Search committee is appointed for admissions director

A search and screening committee to identify candidates for the position of director of admissions has been appointed by C. Gregory Knight, vice provost and dean for undergraduate education.

Martha Corley, associate director of alumni recruitment, will chair the committee. Members include **Shannon Burke**, undergraduate student, president of Academic Assembly; **Jerry Covert**, associate vice provost for undergraduate education; **Peter Everett**, associate professor in the College of Business Administration; **Anna Griswold**, assistant vice president for student financial aid; **Ann Kraus**, instructor at the Behrend College.

Wayne Lammie, campus executive officer, Schuylkill Campus; **Tammi Mason**, undergraduate student, president of S.M.A.R.T.; **Felicita Perreca**, admissions counselor; **Blaine Steensland**, director of student programs and services at Berks Campus; **Blanche Staton**, director, Philadelphia Community Recruitment Center; and **Carl Wolgemuth**, acting dean for the College of Engineering. **Gloria Briggs**, assistant to the vice president, personnel and administrative services will serve as staff.

The director will report to the vice provost and dean for undergraduate education, and is responsible for a comprehensive undergraduate marketing, recruitment, and admissions program. Dr. Knight said qualifications for the position include academic orientation and a commitment to a large state university; demonstrated administrative competence; established professional stature; superior market research, marketing, and planning skills; demonstrated ability to communicate effectively; budget management; staff evaluation, close interaction with other University departments; and a dedication to service.

A master's degree plus five or more years of demonstrated effectiveness in undergraduate marketing and admissions is required. The director of admissions must have the personal skills to work well with students, parents, and the public and be dedicated to the concept of service.

Please submit nominations and applications together with a letter of interest and a resume, and have three current letters of reference with phone numbers sent to: C. Gregory Knight, vice provost, 421 Old Main, Box 1C, University Park, PA, 16802.

Applications received prior to Nov. 20, will receive first consideration. Dr. Knight said he hoped that it will be possible for the search committee to submit its recommendations by Dec. 18.

Center conducts research on the rural elderly

The Center on Aging and Health in Rural America in the Institute for Policy Research and Evaluation, is beginning the second year of a three-year grant from the National Institute on Aging.

Eight research projects related to the health and effective functioning of older rural Americans are currently being funded by CAHRA; four are continuing projects and four are new.

Continuing projects are:

– "Physical Health of the Rural Elderly: The Significance of Individual and Place Characteristics," **Christine M. Himes**, Sociology.

– "The Social and Familial Context of Health and Well-Being Among the Nonmetropolitan Elderly," **Daniel T. Lichter**, Sociology; **David J. Eggeheen**, Human Development and Family Studies.

– "Health Impacts of Elderly Help-Seeking and Retirement in Migration to Pennsylvania Rural Areas," **Gordon F. DeJong**, Sociology; **Gretchen T. Cornwell**, Rural Sociology.

– "Institutional Anchors in the Continuum of Care for the Rural Elderly," **Mary L. Fennell**, Sociology; **Larry Gamm** and **Diane Brannon**, Health Policy and Administration.

New projects are:

– "Health Insurance, Access to Care, and Utilization of Physician Services by the Rural Elderly," **Bruce Stuart**, Health Policy and Administration; **N. Edward Coulson**, Economics.

– "The Impact of Primary Care Health Promotion Stimulating Positive Changes in Attitude Toward Preventive Care, Health-Related Behavior, and Perceived Functional Health in a Rural Geriatric Population," **Rugh Henderson**, and **Dennis Gingrich**, Family and Community Medicine, Hershey Medical Center; **Steven Zarit**, Human Development.

– "Food Choice: Knowledge, Cognitions, and Behavior of Female Older Adults in Rural America," **Alexander Von Eye**, Human Development and Psychology; **Cheryl Acterberg** and **Helen Smicklas-Wright**, Nutrition; **Gordon Jensen**, Gastroenterology and Nutrition, Geisinger Medical Center.

– "Rural and Urban Differences in Physical and Mental Co-Morbidity Among Older Adults," **Jacqueline Worobey**, Population Issues Research Center, **Mary L. Fennell**, Sociology; **Steven Zarit**, Human Development.

For more information on CAHRA, contact Diane McLaughlin, deputy director, at 863-2938.

Obituaries

S. Douglass White, retired assistant professor and head of the retailing program at the Penn State Altoona Campus, died Oct. 3 at the age of 73.

A 1940 graduate of Washington and Jefferson College with a bachelor of arts degree in finance, he received a master's degree in finance from the University of Pittsburgh and master's and doctoral degrees from Penn State in clothing and textiles.

He joined the Altoona Campus faculty Jan. 1, 1968, and retired March 1, 1983.

Jay W. Beck, counselor, Student Administrative Services, from Jan. 1, 1966, until retirement Jan. 1, 1980, died Sept. 7 at the age of 74.

Augustus M. Clouser, patrol officer, Hershey Medical Center, from Feb. 2, 1968, until his retirement May 1, 1981, died Sept. 16 at the age of 75.

Majorie A. Smith, maintenance worker at Penn State Harrisburg, from Feb. 23, 1979, until her retirement on disability Sept. 1, 1988, died Sept. 21 at the age of 46.

Carpoolers

Joe is looking for a rider to join his carpool from Philipsburg to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 865-6713 or 342- 2745.

Gloria would like to carpool from Philipsburg to University Park. Work hours are 10 a.m. to 7 p.m. Call 865-7677 or 339-6412.

Janet is looking for a ride from Pleasant Gap to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-4641.

Faculty/Staff Alerts

Return policy
The Microcomputer Order Center in the Center for Academic Computing has implemented a return policy applying to both department and personal returns.

All returns, except defective purchases returned within 30 days, are subject to a 10 percent restocking fee; unopened word processing or operating system software being exchanged or returned under the Software Bundling Policy are not subject to a restocking fee; opened products are not returnable; special order items are returnable if the vendor will accept return. However, these items are subject to the normal restocking fee.

The Center for Academic Computing has consultants on duty at 12 Willard Building, University Park, to help you with pre-purchase assistance. You may stop by or call (814) 863-1035 during normal business hours prior to making your purchase. After purchase, please ensure you have the correct product before opening the package.

Software bundling policy
Last year, the Microcomputer Order Center in the Center for Academic Computing began bundling a word processor with each Macintosh computer sold to faculty, staff, students and departments. In addition to reducing software costs, this policy demonstrates the commitment to honoring software copyright laws.

On Nov. 1, the center will expand this policy to include both word processing and operating systems for each computer purchased.

If an individual or department currently owns word processing or operating system software that can be legally used on a new computer system, the purchaser must present: the original software program distribution disk, and the licensing page from the software manual.

The microcomputer Order Center will mark and register these items as proof of previous purchase. A purchase order or an IDT is not acceptable.

For additional information, contact the Center at (814) 865-2100.

Focus on the arts

Castalia Trio

The Castalia Trio will make its debut performance at 8 p.m. Thursday, Nov. 7, in the School of Music Recital Hall at University Park.

The program will include Trio in G Major by Joseph Haydn and Trio in B Major by Johannes Brahms.

The trio consists of School of Music faculty members Marylene Dosse, piano; James Lyon, violin; and Kim Cook, cello. The name Castalia comes from a spring located on Mount Parnassus that was sacred to the muses and known as a source of poetic inspiration.

Ms. Dosse, who has performed exclusively in Europe, South America, Mexico, North Africa and the United States, is a fellow of the Institute for the Arts and Humanistic Studies.

Mr. Lyon, a new faculty member, has performed chamber music with the Harrington Quartet throughout the United States and in Europe. He has won several competitions, including the Fischoff National Chamber Music Competition.

Ms. Cook has performed as a soloist and chamber musician in Germany, Italy, Russia, Finland, Brazil, Canada, Mexico and the United States. As a prize winner in the International Cello Competition in Brazil, she premiered a concerto on Brazilian National Television.

Groups in concert

The Penn State Concert Choir and Chamber Singers will premiere two works by School of Music composition professor Burt Fenner in concert at 8 p.m. Saturday, Nov. 9, in the School of Music Recital Hall at University Park.

To commemorate the upcoming "Year of Columbus," the program will include works from the Spanish Renaissance and by North and South American 20th-century composers.

The program also will include German lieger and English madrigals sung by the Chamber Singers and three Afro-American spirituals featuring soloists Tom Serene, Tye Elwin, Deens Walter and Kathy Cox.

Professor Fenner's compositions are part of a long-term project of setting texts from the Egyptian Book of the Dead. He will accompany the works on computer and synthesizers. Soloists are School of Music faculty members Suzanne Roy, soprano; Richard Kennedy, tenor; and Richard Davis, baritone.

The Penn State Concert Choir consists of 75 auditioned members. Twenty students are selected from the concert choir to make up the Chamber Singers. D. Douglas Miller of the School of Music faculty directs both groups.

HUB exhibits

Three exhibits are on display until Nov. 3 in the Hetzel Union Building at University Park.

More than 50 black-and-white and color photographs by Gregory Grieco are on exhibit in the Browsing Gallery.

This picture taken by Greg Grieco is part of his black and white photography exhibit in the HUB Browsing Gallery until Nov. 3.

Mr. Grieco is a photojournalist in the Department of Public Information. His photos have appeared in various Public Information publications.

"Journey to India—An Inspirational Walk," featuring Darlene Large's photographs, is on display in the Formal Art Gallery.

The photographs were taken in India where Darlene Large founded HOINA, an orphanage. A 1959 Penn State graduate with a degree in art education, she received the Distinguished Alumni Award in 1982 and the College of education Award in 1986 for founding HOINA.

Recent ceramics sculptures by D.M.Z. Coyle are featured in the Art Alley Cases.

Ms. Coyle has a BFA degree from Penn State. Her work is represented in permanent collections in 15 countries, as well as numerous corporate and private collections in the United States.

Theatre lectures

Dr. Sharon Carnicke, of the University of Southern California School of Theatre, will present two lectures Monday, Nov. 4, at University Park.

She will discuss "Stanislavsky in the West: The English Language Curtain" as part of the Comparative Literature Luncheon Series at 12:40 p.m. in 101 Kern Building.

At 7 p.m. in the Women's Studies Lounge, 12 Sparks Building, she will speak on "Stanislavsky: Or How Much Do We Really Know About Stanislavsky?"

The presentations are co-sponsored by the Department of Slavic Languages, Theatre Arts Department, Institute for the Arts and Humanistic Studies, Department of English, Slavic and Soviet Language and Area Center, and the Department of Comparative Literature.

Edgar Allen Poe exhibit

This year marks the 150th anniversary of the first modern detective story. It was in March 1841 that Edgar Allan Poe's short story, "The Murders in the Rue Morgue," was published in Graham's Magazine, and a new genre was begun.

The Rare Books Room in Penn State's Pattee Library is honoring both Poe's singular achievement and the genre's remarkable development in its exhibit, "Edgar Allen Poe and Detective Fiction: A Sesquicentennial Tribute," running through Nov. 15.

The Rare Books Room is pleased to display items in the Poe collection belonging to Stephen Loewentheil of the 19th Century Shop in Baltimore, Md.

Arts at...

Altoona Campus

The Falla Guitar Trio, a dynamic ensemble presenting sizzling jazz and superb classical music, will perform at the Penn State Altoona Campus on Tuesday, Nov. 5.

The group's innovative performances present music ranging from Bach to Bernstein to the Blues. The concert begins at 8 p.m. in the Paul R. and Margery Wolf Kuhn Theatre, and is open to the public. Tickets for general admission are $3, and parking is available adjacent to the Community Arts Center. Call (814) 949-5120 for ticket information.

York Campus

Mozart on Fifth, a trio of woodwind musicians with a repertory ranging from classical to jazz, will bring their unorthodox chamber music to the Penn State York Campus Thursday, Nov. 14. The program, at 7:30 p.m. in the Conference Center, is free to the public.

Mozart on Fifth members play 11 different woodwind instruments and interact with the audience through an easygoing style that includes humor and the ability to communicate the fun they have performing. They perform material from Mozart to Scott Joplin laced with humorous anecdotes and stories.

Penn Staters

A. Ashok, professor engineering science, presented a paper, "Surface Passivation Studies on GaAs with Octafdecyl Thiol," at the 1991 International Conference on Solid State Devices and Materials in Yokohama, Japan. He also presented a seminar, "Atomic Hydrogen in Crystalline Silicon: Phenomena and Applications," at NIT Basic Research Lab in Musashino, Japan.

Ashok Belegundu, associate professor of mechanical engineering, presented a paper and participated in the NATO Advanced Study Institute on Optimization of Large Scale Structural Systems in Berchtesgaden, Germany.

John J. Coyle, professor of business logistics, has received the 1991 Council of Logistics Management Distinguished Service Award for making outstanding contributions to field of logistics management.

L. Eric Cross, Evan Pugh professor of electrical engineering, presented an invited lecture on "Tailoring the Properties of Ferroelectric Ceramics" at the International Summer School on Ferroelectric Ceramics in Ascona, Switzerland.

Alan Davis, professor of geology and director of the Energy and Fuels Research Center, has been elected president of the International Committee for Coal and Organic Petrology (ICCP), a group of working subcommittees composed of members from 35 countries, whose primary object is to ensure continuing international exchange of scientific information relating to organic petrology.

Mary Frank Fox, associate professor of sociology and women's studies, jointly received a $460,000 grant with H Etzkowitz (SUNY) from the National Science Foundation to study "Women in Science and Engineering: Improving Participation and Performance in Doctoral Education."

Gary W. Gallagher, professor and head of the Department of History, has been named the 1991 recipient of the Nevins-Freeman Award by the Civil War Round Table. The award is bestowed each year on the individual who has made the most significant contributions to Civil War scholarship and literature.

Austin J. Jaffe, holder of the Philip H. Sieg professorship of business administration, served as a visiting scholar at the University of Amsterdam, the Netherlands. While there, he presented a paper titled "A Property Rights Evaluation of Amsterdam's Waterfront Project."

Daniel Lichter, associate professor of sociology, has received a $228,000 grant from NIH/NICHD to study "The Demography of Local Marriage Markets."

Barnes W. McCormick, Boeing professor of aerospace engineering, presented an invited paper at the 3rd Aerospace Symposium on "Orbital Transport: Technical, Meteorological and Chemical Aspects" at the Technical University of Braunschweig, Germany.

Stanley A. Mumma, professor of architectural engineering, has been named a fellow of the American Society of Heating, Refrigerating and Air-Conditioning Engineers in recognition of outstanding career achievements in architectural engineering.

Kevin Murnane, assistant professor of psychology, has received the Irving J. Saltzman Award from the Department of Psychology at Indiana University.

Gary W. Petersen, professor of soil genesis and morphology, presented lectures at Beijing University and the Nanjing Institute of Soil Science in China while a member of a National Academy of Sciences delegation to explore ways to improve dialogue with Chinese scholars.

James H. Ryan, vice president for continuing education, was the keynote speaker at the third annual conference of the Continuing Education Association of Pennsylvania.

Gerhard F. Strasser, associate professor of German and comparative literature, delivered a paper on "The Representation of National Socialism in American Textbooks for German" at an international conference on National Socialism in Textbooks for German and the Instruction of German as a Second Language at the University of Tel Aviv, Israel.

Partings

Patricia A. Doud, secretary A, Research and Graduate School, from Oct. 1, 1975, until July 10.

Frank Esasky, maintenance mechanic A, New Kensington Campus, from June 29, 1981, until Aug. 1.

Robert L. Dixon, equipment operator, construction, Office of the Physical Plant, from Sept. 4, 1973, until Aug. 1.

Donald J. Waite, mechanic power plant, Office of the Physical Plant, from June 25, 1973, until Aug. 17.

Gwenn L. Karten, manager of food service, Housing and Food Service, from Sept. 1, 1978, until Aug. 3.

Eric K. Albert, assistant professor of mining engineering, Earth and Mineral Science, from March 11, 1974, until Aug. 16.

David L. Hill, extension agent, Agriculture, from Jan. 2, 1976, until Aug. 24.

Michael P. Monahan, operator TV studio, WPSX, from Nov. 11, 1974, until Sept. 26.

Helen Rice, janitorial worker, Office of Physical Plant, from Oct. 19, 1981, until Oct. 22.

John W. Reese, audio visual technician, Commonwealth Educational System, from Jan. 12, 1970, until June 29.

Robert L. Long, supervisor of central control systems, Physical Plant, from Oct. 21, 1962, until June 30.

Dorothy A. Heaton, baker utility, Housing and Food Services, from Aug. 29, 1977, until Aug. 24.

Karl K. Schier, assistant professor of exercise and sport science, Intercollegiate Athletics, from Sept. 1, 1976, until Oct. 1.

Deborah A. Welsby, secretary C, Liberal Arts, from Jan. 16, 1981, until Oct. 1.

John W. Holl, professor of aeronautical engineering, Engineering, From Feb. 1, 1963, until Oct. 1.

John A. Pollock, vending machine service, Housing and Food Services, from April 15, 1964, until Oct. 1.

Ethel E. Williams, assistant to the financial officer, Earth and Mineral Science, from July 1, 1945, until Oct. 1.

Edward L. Taylor, L D painter, Office of the Physical Plant, from Dec. 3, 1960, until Oct. 1.

Walter K. Johnson, equipment operator, Office of the Physical Plant, from Dec. 15, 1957, until Oct. 1.

Lowell M. Stover, experimental machinist, Applied Research Lab, from Dec. 1, 1950, until Oct. 1.

Eleanor V. Hazel, accounting clerk A, Housing and Food Services, from Nov. 7, 1977, until Oct. 1.

Betty I. Hunter, accounting clerk A, Corporate Controller, from Sept. 1, 1981, until Oct. 1.

Mary J. McDonald, secretary C at Ogontz, from Feb. 18, 1980, until Oct. 1.

Alexander A. Quinn, general maintenance worker A at Wilkes-Barre, from Aug. 23, 1976, until Oct. 1.

Lois J. Knepp, utility maintenance worker, Office of the Physical Plant, from March 5, 1973, until Sept. 1.

Dorothy E. Hiles, secretary C at Behrend College, from Aug. 31, 1979, until Oct. 1.

Joseph D. Prete, manager of Physical Therapy Services at Hershey, from July 24, 1972, until Oct. 1.

Lorene F. Ashby, assistant director of undergraduate programs, Undergraduate Programs, from Oct. 1, 1979, until Oct. 19.

Richard M. Lundy, professor of psychology, Liberal Arts, from Sept. 1, 1962, until June 30.

Marilyn Gilligan, table attendant, Nittany Lion Inn, from April 22, 1979, until Aug. 24.

Super spuds

Plant pathologists work to improve potatoes

Athletes aren't the only ones loading up on carbohydrates these days. Potatoes may have just gotten a starch boost from University researchers who have uncovered a way to watch the compound being formed — a discovery that could be a boon to industry.

"We have found a way to study the entire metabolic system of the potato in depth," **Jack Shannon**, professor of plant physiology, explains. "We can now study how sucrose is transformed and stored as starch — from start to finish.

"Ultimately, this could mean the development of potatoes with unique starch characteristics, tailor-made for specific purposes."

Considerable effort has been exerted by potato researchers in the last decade to determine what controls the production of starch and its storage within the tissues of the potato.

Potatoes with unique starch characteristics, such as a higher percentage of linear component, are more desirable for use by industries in the manufacture of biodegradable plastics because they can produce tougher, more resilient products. Linear component refers to the straight-chain molecular component of starch that gives it better film-making properties for plastic and provides strength.

Potatoes with starches containing branched molecular structures, or lower proportions of linear components, are more suitable for certain food processing applications.

Dr. Shannon is now able to study the physiology of the potato tuber by reproducing it as a microtuber. Microtubers contain the same tissues as regular tubers growing on plants in the garden.

Grown in vitro in a solution of fertilizers, sucrose, hormones and a hormone inhibitor, the microtuber is initiated from potato stem tissue in two to five days. This rapid and uniform production of microtubers allows for more reproducible experiments.

In the past, microtubers have been used to study protein synthesis within the tuber and the propagation of potato cultivars. In addition, since the microtubers are disease free there are fewer restrictions to international transport of new varieties. Dr. Shannon says he and his research team are breaking new ground by using the microtuber as a model system to study starch biosynthesis in intact tuber cells.

"It's an in vivo study — where we explore the living cells of the tuber plant to see how carbohydrates are being used and how starch is being produced."

Fang-Mei Pien, a member of the research team and graduate student in horticulture, says the biochemical pathways of how sugar is converted to starch in the potato are not well known.

"There is a lot of dissention over what happens to the sucrose...where in the cell it breaks down or how it breaks down. We think we have found a way to identify how and where the conversion from sugar to starch takes place."

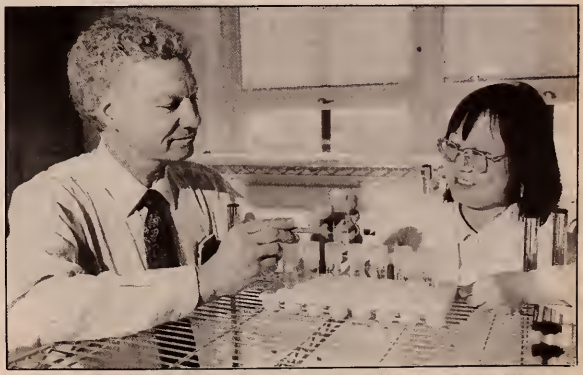
In the normal metabolic process, plant leaves absorb carbon dioxide from the air and through photosynthesis convert it to sugar for use by the plant. The sugar is transported from the leaves to the tubers, where it is metabolized in the cells to form starch. Thus, tubers are considered "sinks," or deposit areas, because they must import the sugars needed to make starch.

It is the capacity of these sink tissues that researchers believe regulates the overall production of the plant. Dr. Shannon says being able to investigate starch synthesis in vivo "allows us to determine what is regulating the capacity of the sink tissues.

"We can then alter the sink tissues to take better advantage of the food being provided by the leaves. Ultimately this will make the plant more productive. In addition, this understanding opens the door to the creation of starches with unique properties."

Ms. Pien says the next step in the research is to determine what form the sugar takes when it crosses the membrane into the starch-storing areas within the tuber cells.

"If we understand the biochemistry and physiology of the potato, we can perhaps produce one that not only has higher or distinctive starch content, but also one that could overcome certain environmental stresses or even grow in the tropics." – Lisa M. Rosellini



Researcher Jack Shannon and graduate student Fang-Mei Pien inspect microtubers they have grown in an effort to understand starch production in potatoes.
Photo: Greg Grieco

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m., Thursday, November 7. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■**01906, Manager, Meats Laboratory, Agriculture, Dairy and Animal Science, University Park Campus** – Responsible to a faculty member and the manager of Animal Facilities for the planning and efficient management of the Meats Laboratory. Plan the use and sale of all meat and meat products for teaching, research and extension. Be accountable for following established procedures concerning money handling derived from all sales income from retail and wholesale meats. Requires bachelor's degree, or equivalent, with two to three years of effective experience in the management of slaughtering, cutting, preparation and processing of meat products and evaluation of meat. Master's degree preferred. STAFF GRADE 7.

■**01907, Applications Programmer/Analyst, Agriculture, Computer Services, University Park Campus** – Responsible for conducting analyses, program design, coding, testing and documenting activities associated with applications problems, for determining detailed requirements to solve problems, and for training users in the use of information improvements. Requires bachelor's degree, or equivalent, in agriculture or information technology related field plus one to two years of effective computer programming experience. Excellent oral and written communication skills are required, including the ability to communicate technical information to non technical audiences. Experience with Apple Macintosh and Digital VAX computers is required. STAFF GRADE 6.

■**01908, Director, Facilities Resources, Office of Physical Plant, Assistant Vice President for Physical Plant, University Park Campus** – Responsible to the assistant vice president for physical plant for the overall management and administration of the Facilities Resources of the University Park Campus, including all aspects of University leased property in the State College area. Requires bachelor's degree, or equivalent, in higher education management or business management along with seven to ten years of effective management experience at upper organizational levels of higher education institutions requiring administrative decision making. Post graduate work is desirable. STAFF GRADE 10.

■**01909, Mechanical Engineer III, Office of Physical Plant, Facility Design and Support Services, University Park Campus** – Responsible to the senior engineer for the design of a wide variety of complex mechanical systems and projects, the preparation of drawings and specifications, and for engineering consultation services for the operation, maintenance and modification of those systems. Requires bachelor's degree, or equivalent, preferably in architectural engineering with building systems option or related field and over 54 months of effective experience in the development of mechanical and electrical designs under the guidance of a registered professional engineer. Registration as a professional engineer is required. STAFF GRADE 7.

■**01910, Project Manager, Office of Physical Plant, Project Management, University Park Campus** – Responsible to the director, Project Management, for the overall project development and management functions for University renovations, alterations and major maintenance projects. Requires bachelor's degree in architecture or engineering, or equivalent, plus four to five years of effective experience with increasing responsibility in major institutional and/or commercial project and construction administration. Registration as an architect or professional engineer preferred. This is a fixed-term position funded until December 31, 1993. STAFF GRADE 8.

■**01911, Administrative Computer Systems Specialist, Earth and Mineral Sciences, Associate Dean for Research, University Park Campus** – Responsible to the assistant to the associate dean for research for assistance in the programming, support, coordination and training of the College micro computer and the University COOM Systems. Requires associate degree, or equivalent, in accounting with micro computers plus one to two years of effective experience in accounting and budget systems. Knowledge of University computerized accounting and budgetary systems office procedures, business practices, and applied educational concepts is required. STAFF GRADE 6.

■**01912, Tennis Assistant, Auxiliary Recreation Services, University Park Campus** – Responsible for the planning and coordination of club sponsored instruction programs and member services. Coordinate planning, scheduling and operation of club sponsored activities and events, such as junior and adult tournaments sanctioned by the U.S. Tennis Association. Requires bachelor's degree, or equivalent, plus up to one year of effective experience in professional tennis; membership in the United States Professional Tennis Association preferred. This is a fixed-term position funded through June 30, 1992. STAFF GRADE 4.

■**01913, Medical Records Supervisor, Student Services, University Health Services, University Park Campus** – Responsible to the manager, Ancillary Services, for the daily operation of the Medical Records Department. Requires bachelor's degree, or equivalent, in medical records administration and certification as a Registered Records Administrator (RRA) plus up to one year of effective experience, or an associate degree in medical records administration and certified as an Accredited Records Technician (ART) plus one to two years of effective experience. Supervisory experience also is required and automated medical records systems experience is highly desirable. STAFF GRADE 4.

■**01914, Admissions and Minority Recruitment Counselor, Undergraduate Education, Undergraduate Admissions Office, Harrisburg Area Community Recruitment Center** – Responsible to the associate director of undergraduate admissions/director of Harrisburg Area Community Recruitment Center. Provides general assistance with all admissions matters in an assigned geographical area. Special duties related to recruitment activities designed to attract underrepresented racial minority students who are baccalaureate or associate degree candidates to the University. Requires bachelor's degree, or equivalent, plus one to two years of effective experience in educational administration or related field. Superior communication skills (written and oral) required. Candidates with bilingual abilities in Spanish and English are encouraged to apply. STAFF GRADE 6.

■**01915, Janitorial Foreman, Penn State York, York Campus Maintenance** – Responsible to the director of business services for supervision and coordination of janitorial and custodial activities and employees; responsible for overall character and total performance results of areas under supervision. Requires the equivalent of a high school education and competency in janitorial field, plus two to four years effective experience in janitorial and custodial operations plus demonstrated leadership ability. STAFF GRADE 7.

■**01916, Area Representative, CES, Berks Campus, Continuing Education** – Responsible to the Berks Campus director of continuing education for planning, scheduling, staffing, workshops, conferences and contracting services for clientele organizations. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business industry or education. STAFF GRADE 7.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **November 7.**

■**10065, Senior Vascular Technologist, Department of Surgery Vascular Studies Section** – Responsible to the medical and technical directors of the Vascular Studies Section for carrying out complex procedures utilized to diagnose patients with suspected cerebrovascular, peripheral arterial, visceral vascular, and venous disease and for providing continuity of follow-up. Requires a bachelor's degree or equivalency plus successful completion of the American Registry of Diagnostic Medical Sonographers examination in Vascular Technology, (RVT) and Ultrasonography (RDMS); a minimum of one to two years effective experience in cerebrovascular, peripheral arterial, venous, and visceral vascular noninvasive testing. STAFF NONEXEMPT, GRADE 6, FIXED-TERM POSITION

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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November 7, 1991 Volume 21, Number 12

David Shirley is offered senior vice president post

David A. Shirley, professor of chemistry at the University of California at Berkeley, has been offered the position of senior vice president for research and dean of the Graduate School, effective March 1, 1992, President Thomas has announced. His appointment is subject to approval by the University's Board of Trustees at its meeting on Friday, Nov. 15.

"Dr. Shirley is a world renowned scientist, a successful and experienced administrator, and a member of the National Academy of Sciences," Dr. Thomas said.

"His reputation will help Penn State continue to compete successfully for federal research support, and will be invaluable in helping to foster new research programs both nationally and internationally.

"He is sensitive to the needs of graduate students, and believes that graduate education and research serve to enrich the faculty and inspire the undergraduate population of a major research university. I look forward to the opportunity to work with him in advancing the future of this University."

Dr. Shirley will succeed Dr. Charles L. Hosler Jr.

The senior vice president and dean of the graduate school will participate in the formulation of academic and fiscal policy for the University and will represent the University's research and graduate study interests to federal and state governments, to the international community, and to industry.

From 1980 to 1989, Dr. Shirley was director of the Lawrence Berkeley Laboratory (LBL), a multiprogram national laboratory operated by the University of California for the U.S. Department of Energy. LBL employed 3,300 employees engaged in a very diverse research program that ranged from astrophysics to medical research. As director, Dr. Shirley worked closely

David A. Shirley

with the Department of Energy, other federal agencies, and Congress, in a highly competitive environment, to ensure the laboratory's continuing support. The annual budget of LBL increased from $145 million in 1982 to $240 million in 1989.

Prior to this position, he had been the founding director of the Materials and Molecular Research Division at the Lawrence Berkeley Laboratory.

His degrees are a B.S. from the University of Maine, Ph.D from the University of California, Berkeley, an Sc.D., honoris causa, University of Maine, and a Dr.rer.nat., honoris causa, from the Free University of Berlin.

Dr. Shirley is the author or co-author of more than 300 scientific papers and was listed as one of the world's most cited scientists for work published during 1965-1978. He has served on and has chaired national committees, participated as invited speaker/organizer in many international conferences, and has been the recipient of several awards, honorary degrees, fellowships and named lectureships.

At Faculty Senate forensic session

Issues facing the Libraries to be discussed

As the University Libraries continue to struggle against the limitations of budget and space, the input of faculty members in decisions concerning the future of the libraries needs to increase dramatically, according to David M. Bressoud, chairperson of the Faculty Senate Committee on Libraries.

To facilitate this goal, the Faculty Senate plans to hold a forensic session Tuesday, Nov. 12, following the regular Senate meeting to discuss major issues facing the libraries. In addition, the chairperson invites faculty members to write letters addressed to the committee, Birch Cottage, University Park, sharing ideas and concerns about the current or future state of the libraries.

The forensic session will focus on four major issues that Dr. Bressoud describes as "critical." These include the size of the collection; the amount of space available; the level of staffing, and the future direction of the libraries.

"The libraries are facing some major decisions in the near future. Faculty members are one of the largest segments of library users and it is imperative they voice their priorities," Dr. Bressoud said. "Their vision for the libraries and their involvement are critical in determining the direction the libraries take."

In recent comparisons of Penn State library holdings versus those of other Big Ten schools, it appears the University Libraries are not up to par. Dr. Bressoud said that, although there are problems that need to be addressed within the library system, these statistics are misleading. The comparisons focus on total library expenditures per student, the student-to-staff ratio, and the number of volumes per student. Penn State is listed as last in each of these categories.

Faculty Senate agenda appears on Page 2

However, Dr. Bressoud said the statistics compiled by the Association of Research Libraries includes University Park as well as all of the campuses in the Commonwealth Educational System, Penn State Harrisburg, Penn State Erie and Penn State Great Valley. The comparisons for other Big Ten institutions are based solely on data derived from their "flagship" or main campuses.

"I think there has been some confusion about what the numbers mean and whether they are an accurate assessment," Dr. Bressoud said. "I'm not sure that in five, 10 or 20 years we'll be using these same means of assessment."

Dr. Bressoud added that in the coming years significant decisions concerning the libraries' investment in additional electronic resources will be made and faculty members should be a part of the decision-making process. The chairperson hopes the forensic session will further open the lines of communication and allow faculty concerns to be voiced.

New training center will hold open house

The new Computer and Information Systems Training Center will hold an open house from 2 to 5 p.m. Wednesday, Nov. 13, in Rooms 116 and 117 Wagner Building at University Park.

The training center, a new state-of-the-art microcomputer training facility for use by faculty, staff and administrators, provides an excellent learning environment with two laboratories for hands-on training.

There are 15 Macintosh microcomputers in Room 117 and 18 IBM microcomputers in Room 116 Wagner Building. The rooms also are equipped with instructor stations, color LCD projection, and professional instructors.

The training activities for the center are coordinated by the Center for Academic Computing, Human Resource Development Center and Management Services Administrative Training and Support Center. The majority of the courses offered at the new Training Center are included in the Human Resources Development Center

See "Center" on Page 3.

Focus on Diversity

Engineering gets NSF grant for fellowship program

The College of Engineering has received a $756,000 National Science Foundation grant for a five-year fellowship program designed to attract women, minorities and disabled individuals into engineering faculty careers.

The GEE, or Graduate Engineering Education for Women, Minorities and/or Persons with Disabilities Program, is unique in offering a comprehensive career development program in addition to tuition, research and travel support, according to Michael M Reischman, associate dean of graduate studies and research.

"These fellowships are important building blocks in establishing diversity in the engineering profession – both in universities and in industries," he said. "The women and minority and disabled Ph.D's who graduate from this program will provide role models – whose importance just can't be overstated – to the next generation of students."

The three-year GEE fellowships will offer students $25,000 a year, including a $15,000 stipend, $5,000 for tuition fees, and $5,000 for travel and equipment. Four students will be recruited into the program each year, beginning this fall.

A research consultant and an advisory committee will assist and guide the program.

The advisory committee members are: Tony Amos, professor of aerospace engineering; John Lee, director of minority affairs in the College of Earth and Mineral Sciences; Peter Luckie, associate dean for research in the College of Earth and Mineral Sciences; Cathy Lyons, director of the Center for Minority Graduate Opportunities and Faculty Development; Della Roy, professor of materials science; Vasu Varadan, distinguished alumni professor of engineering science and mechanics; and Mary Frank Fox, associate professor of sociology and women's studies.

As research consultant, Mary Kendall, director of engineering and instructional development, will help design and carry out a continuous evaluation of the program and its participants.

Dr. Reischman is the principal investigator and Daniel C. Davis, director of the Minority Engineering Program, and Sharon Jadrnak Luck, director of the Women in Engineering Program, are co-principal investigators.

For more information, write to the Office for Graduate Studies and Research, Penn State College of Engineering, University Park, PA 16802 or call (814) 865- 1804.

Diversity Opportunities Calendar

Thursday, Nov. 7
Center for the Study of Higher Education, 8 p.m., HUB Gallery. Lecture titled, "What is Correct about Politically Correct," by Catharine R. Stimpson, Rutgers University graduate school dean and vice provost for graduate education.

Monday, Nov. 11
Iranian Muslim Students Association, 7:30 p.m., Room 111 Boucke Building. Lecture titled, "Rights of Women in Islam," by Laleb Bakhtiar, author and former editor of *Mahjubah*, an Islamic women's magazine.

Women Studies and Center for Women Students, 8 p.m., 110 Henderson Building. Six Feminist Scholars Lecture Series presentation titled, "Through the Women's Door: Native American Women, Environment and Development Through the 21st Century," by Katsi Cook.

Office of Student Activities and Religious Affairs, 7:30 p.m. United Methodist Church at Wesley Foundation. Worship service in recognition of James B. Stewart.

Tuesday, Nov. 12
Center for Women Students, 7 p.m., Paul Robeson Cultural Center. Films titled, "Waking Up to Rape," "Latinos Fight Back," and "Diana's Hair Ego: AIDS Information Up Front," will be followed by discussion. Films address rape from a culturally diverse perspective.

Institute for the Arts and Humanistic Studies and the Department of Art History, 8 p.m., 112 Walker Building. Lecture titled, "From Ethnology to Art: American Indian Exhibitions at the Brooklyn Museum 1903- 1941," by Diana Fane, Brooklyn Museum African, Oceanic, and New World Art curator.

Wednesday, Nov. 13
Center for Women Students, 7:30 p.m., HUB Assembly Room. "Mock Acquaintance Rape Trial" with Honorable Judge David Grine; April Chamberlain, assistant district attorney and Bill Bispels, assistant public defender.

Thursday, Nov. 14
Office of the Vice Provost, 8 a.m., Paul Robeson Cultural Center. Open forum with the vice provost for underrepresented groups. Students, faculty and staff are invited to bring questions and concerns. Coffee and donuts will be served.

American Association of University Women, 7:30 p.m., State College Women's Club. General meeting. For more information, contact, Ellen Walker at 865-1974.

New PBS video is available for use

Audio-Visual Services recently acquired a new video from PBS titled "Gender: The Enduring Paradox" (61344,VH). It explores the subject of gender in American society, from the formation of sex roles in early childhood to socially constructed notions of masculinity and femininity experienced through life.

The tape also considers such topics as each sex's perception of the other, the women's movement, fathers who nurture their children, and attitudes of other cultures toward the differences between the sexes.

The videotape is available at no charge to University faculty and staff for classroom use. At University Park, call 865-0913 to make arrangements for a preview showing. At a Commonwealth Campus, contact the campus instructional services specialist for more information.

University cited by national publication

Penn State is a "college in Cinemascope," according to the 1992 Guide to 101 of the Best Values in America's Colleges and Universities.

The University is among "a rich and diverse mix of colleges – public and private, large and small – that comprise the category of 'exceptional schools, the places which attract good students and then challenge them with excellent teachers, quality academic programs and a truly stimulating learning environment,' " according to the publication.

The guide was written by David and Elizabeth Wilson and published by the Center for Studies in College Enrollment and Tuition Issues.

"We are gratified that nationwide publications such as this and U.S. News and World Report have recognized the quality education available at Penn State," said John Brighton, executive vice president and provost of the University. "And, we will continue our commitment to enhance the undergraduate educational experience for our students."

The authors noted several Penn State "top-flight" academic programs, including accounting, meteorology, journalism, engineering, earth science, agriculture and graphic design.

"Name a major field and Penn State not only has it but is probably excellent in it too: agriculture, engineering, business administration, foreign languages, health studies, hotel and restaurant management, natural sciences ... and so on."

Faculty Senate News

The University Faculty Senate will meet on November 12, at 1:30 p.m. in Room 112 Kern Graduate Building.

Items to be discussed:

– Annual Report of the National Collegiate Athletic Association Representative

– Deletion of Policies 54-84 and 54-86 from Academic Policies, Rules and Procedures for Students

– Deletion of Policy 83-60 from Academic Policies, Rules and Procedures for Students

– University of Construction Status Reports

– Amendment to the Standing Rules, Article II, Section 6(d)

– Research and Graduate Studies

– External Review of the University Scholars Program

Items discussed at the Oct. 15 meeting:

– Task Force on Undergraduate Education Report

– Interim Report on the Joint Faculty/Administrative Committee on Travel

– President's Planning and Budget Advisory Committee's Annual Report

– Summary of Student Petitions by College, Unit or Location

– Food and Drink in Classrooms

– Update on Alumni Association Activities

Education Alumni Fellow visits

Kirby Chaur-Shin Yung, vice minister of education, Republic of China, is visiting University Park through Nov. 8, as an Alumni Fellow in the College of Education.

Dr. Yung completed a Ph.D. degree in vocational industrial education in the College of Education in 1978. Other degrees include a B.A. in industrial education from National Taiwan Normal University and a M.A. in industrial education from the University of Minnesota.

After receiving his doctorate, be taught for a short time at the University of Arkansas before returning to China to take a position as an associate professor of vocational industrial education at the National Taiwan Normal University (NTNU). During Dr. Yung's tenure at NTNU, he excelled as a teacher and researcher, at one time having more than $8 million in research projects under his direction.

In 1986, Dr. Yung was promoted to director general of vocational education in the Ministry of Education with the responsibility for vocational and industrial education programs in the Republic of China. In 1989, be was promoted to vice minister of education, with the responsibility of converting the mandatory seventh-grade education to a mandatory twelfth-grade education.

Dr. Yung is widely published and recently received the Republic of China's First Outstanding Researcb Award.

Kirby Chaur-Shin Yung

Blood challenge

The ninth annual Pitt-Penn State Blood Donor Challenge is being held through Nov. 22, with many drives planned at University Park Nov. 11 to 20.

Penn State leads the competition 5 to 3, but lost last year by 600 pints. This is traditionally a time of year when the demand for blood increases, while donations drop off.

Following ls the University Park drive schedule for the competition:

Monday, Nov. 11, Waring Hall; Tuesday, Nov. 12, Simmons; Wednesday, Nov. 13, Pollock and Warnock; Thursday, Nov. 14, Findlay; Friday, Nov. 15, Stepbens, all from 1 to 7 p.m.; Monday, Nov. 18, HUB, 10 a.m. to 4 p.m.; Tuesday, Nov. 19, HUB, 11 a.m. to 5 p.m., and Kern, 9 a.m. to 3 p.m.; Wednesday, Nov. 20, HUB, 10 a.m. to 4 p.m.

Center

(Cnntinuad from Paga 1)

(HRDC) Hands On Success Course Schedule.

Courses include administrative computing courses such as EMC2/TAO electronic mail and IBIS as well as countless microcomputer courses for both the Macintosh and IBM computers. If you have not yet received your course schedule, contact the HRDC at 865-3410.

Michael Halm, of the Center for Academic Computing, said the contributions of Apple Computers, Claris and Microsoft were helpful in establishing the training center.

The Center also is available for rent on a fee basis. Please contact John Campbell at 865-0809 ·

Institute receives federal grant

The University has received an $800,000 federal grant to develop and disseminate information about eliminating adult illiteracy to educators, business and community leaders, and the general public nationwide.

The grant, from the U.S. Department of Education's Office of Educational Research and Improvement, will help the Institute for the Study of Adult Literacy in the College of Education develop and distribute television public service announcements, videotapes and program guides with strategies for achieving adult literacy and lifelong learning. The videos will include documentaries and instructional videos designed for literacy practitioners.

Specific information will be targeted to parents, community groups, educators, the general public and business, industry and labor leaders. The focus will be on literacy in three contexts: the workplace, the family and the community.

"Our objective is to help provide ways the nation can achieve the National Educational goals set by President Bush and the governors in 1990. One of the goals is for every adult American to be literate by the year 2000," says **Lori Forlizzi**, project coordinator and research associate at the Institute.

Teaching award

Nominations are now being accepted for the 1992 Penn State Teaching Fellow Award.

Established jointly by the Alumni Association, Undergraduate Student Government and Graduate Student Association, the award honors distinguished teaching while providing encouragement and incentive for teaching excellence at the University.

Nomination forms for the Teaching Fellow Award are available from the Alumni Association, 105 Old Main. Nominations are due by Nov. 15.

News in Brief

Graduate research exhibition
Applications for the 1992 Graduate Research Exhibition, March 20-21, are now available in departmental offices and Room 114 Kern Building at University Park.

More than 100 graduate students will illustrate their research with posters, computers, apparatus, and other exhibits. Awards totaling $10,000 will be divided among those judged to have the best exhibits.

To familiarize themselves with the exhibit format, students may borrow a videotape of a former exhibition. The videotape is available in 114 Kern.

Women in Istam
Laleb Bakhtiar, author and former editor of *Mahjubah*, an Islamic women's magazine, will speak on "Rights of Women in Islam" at 7:30 p.m. Monday, Nov. 11, in Room 111 Boucke Building at University Park.

The talk is sponsored by the Iranian Muslim Students Association and co-sponsored by the Graduate Student Association, Office of Student Activities and Religious Affairs and International Student Council.

Davis tecture
Edwin Diamond, contributing editor, critic and columnist with *New York Magazine*, will give the 1991 Donald W. Davis Lecture in the School of Communications titled "Down and Dirty: Political Advertising 1960-1992" at 8 p.m. Thursday, Nov. 14, in the HUB Auditorium at University Park.

Mr. Diamond is the author of eight books, including *The Spot: The Rise of Political Advertising in Television* (1984), which received the Sigma Delta Chi Frank Luther Mott Award for one of the "Best Books of 1984."

In 1977, he co-founded the *Washington Journalism Review* and has served as associate editor of the *New York Daily News* and editorial director of ASM Publications. He bas taught at MIT and has held his current positions as professor of journalism at New York University and contributor to *New York Magazine* since 1984.

Australia's human services
Mark Lyons, associate professor and director of the Centre for Australian Community Organization and Management at the University of Technology in Sydney, Australia, will speak on "The Mytb of Privatization – Changing Public-Private Relations in Australia's Human Services – Implications for Community-Based Agencies," at 1:30 p.m. Monday, Nov. 11, in the Paul Robeson Cultural Center Auditorium at University Park.

Dr. Lyons has conducted research and produced numerous publications in the fields of Australian history, social policy and the operation of non-profit human service organizations. He also bas been involved in the development of innovative programs designed to upgrade the knowledge and skills of untrained personnel in community-based human service organizations.

Radon testing
Radon testing is available for residents in the Centre Region through the Penn State Low Level Radiation Monitoring Lab. The Lab is certified by Pennsylvania DER for radon in air monitoring and also provides radon in water testing for citizens with private wells.

For more information and test kits, please contact Hermina Boyle, supervisor, at 863-2647.

Honor society meeting
The Eta Upsilon Chapter of Alpha Sigma Lambda Honor Society for continuing education students will hold a public meeting at 6:30 p.m. Tuesday, Nov. 12, in 329 Boucke Building at University Park.

Call the Returning Adult Student Center, 863-3887, for more information.

The executive vice president's vision for Penn State in 1996 and beyond

EDITOR'S NOTE: Following is the text of remarks made by John Brighton, executive vice president and provost of the University, at the Oct. 15 meeting of the University Faculty Senate.

I would like to thank Chairperson Bob Secor for inviting me to speak to the Faculty Senate. This is an important opportunity for me, and one I take very seriously. Because of time constraints, I will talk today about certain issues that I consider critical.

It feels different to be speaking to this body as a representative of the administration. I am used to working the other side of the street. When I left Penn State in 1977, I was a member of the Faculty Senate, and I had also been on Graduate Council for five years. Last year I again was a member of the Faculty Senate, this time representing the Council of Academic Deans. This was a useful and rewarding experience for me. The Senate's ability to wrestle with complex and thorny problems and to bring them to resolution is impressive. This is a tribute to the Senate leadership, which has guided the University community to consensus on some very important issues. I welcome this opportunity to return to familiar surroundings—to become acquainted with new members of the Senate and to continue my relationships with those of you who have served longer.

I've had three months now to look at the University as a whole. I have been particularly struck by two things. The first is the dedication of people at all levels at this University. I have especially enjoyed working with President Thomas. The insight and experience he has gained from serving as president of two other universities are in evidence whenever he speaks about educational issues. I believe we have outstanding leadership at the helm. I have great respect, too, for the deans and other senior-level administrators. They are committed to achieving academic excellence at Penn State. Every day I learn more about the accomplishments of our faculty members, and I find myself increasingly proud to be associated with a university that has so much talent.

The second thing I've noticed, and it's been something of a surprise, is the complexity, the breadth, and the sheer size of everything that occurs here. Penn State has many different constituencies. They are all important and they all contribute vitally to its health and well being. And, I might add, they all need more resources to perform their functions.

Future Vision

The question I want to focus on today is "What is the University going to look like five years from now, in 1996?" Perhaps we can look at this as if we were going to paint a picture. In this case, of course, we have to recognize that we're not starting with a blank canvas. The picture is partially filled in, and we have to consider the outline already there before we can see what new shapes and directions are possible.

When I first came to Penn State as an assistant professor of mechanical engineering in the mid-60s, we were basically an undergraduate institution. About half of the faculty members in my department did not have Ph.D.s. One group of faculty taught and did no research; another group of faculty was involved primarily in research but rarely taught. Very few faculty had a good balance of teaching and research. The Penn State community in my view now has a much better understanding of the interrelationship between teaching and research.

I believe that Ernest Boyer, in his book *Scholarship Reconsidered*, captures best the principal issues when he says, "the time has come to move beyond the tired old teaching versus research debate." He proposes giving scholarship a much broader meaning and says:

"Scholarship means engaging in original research. But the work of the scholar also means stepping back from one's investigation, looking for connections, building bridges between theory and practice, and communicating one's knowledge effectively to students."

If you haven't yet read this book, I think it would be well worth your time to do so.

The Big Picture

What does the picture of Penn State look like now? How are we different from what we were ten or twenty years ago? Clearly, we are now a nationally and internationally recognized research university and no longer predominantly an undergraduate institution. As Charlie Hosler regularly reports, our research funding has been growing at a faster rate than at any other university. In the latest NSF report we rank ninth nationally in research expenditures.

We are one of about 100 research universities in the country. We are also one of the Big Ten institutions—all of which are research universities and most of which are also land grant institutions. But among research universities, we have a unique structure. We have very strong and significant involvement in graduate education and research at University Park, at Harrisburg, Great Valley, Behrend, and Hershey. Our two-year campuses, which primarily offer lower division courses, are very closely related to the academic departments at University Park. Although we usually emphasize the growth at University Park, there's been a sizable growth of faculty and programs on the campuses. And the research and scholarship of the faculty at these campuses has increased greatly, often in the face of limited staff support and facilities. The colleges at Harrisburg, Behrend, and Hershey are more autonomous, but these units are an integral part of our structure of governance, and have been growing in research as well. This is a very complex structure but it has considerable strengths, not only for faculty and students but for the larger communities Penn State serves.

John Brighton, executive vice president and provost

A second component of our painting is the significant growth in our graduate programs. A number of these are now recognized as among the best in the country. Graduate enrollments have been increasing, although the proportion of graduate to undergraduate students is still somewhat low when compared with the other Big Ten institutions.

Total enrollments have grown well beyond projections. This fall we are approaching 39,000 students at University Park, and about 71,000 students overall. We are stretched to the limit at University Park with respect to classroom, laboratory, and studio space. Still, it is important to recognize that while we feel the pinch of inadequate facilities across the University, the growth in those facilities has been very significant over the past five to ten years.

Finally, we have very strong alumni support, and the network of our alumni extends around the world. The depth of this support was evidenced in the recent, very successful Capital Campaign, which has provided funds for all kinds of academic enhancements ranging from endowed chairs to scholarship support.

Undergraduate Education

There are many complex and difficult problems facing us. The first issue is undergraduate education: the quality of teaching and the quality of the total student experience. We will be talking a

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Brighton

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great deal about this over the next several months as we review and implement the recommendations of the Task Force on Undergraduate Education. These recommendations will be presented to you later by Scott Kretchmar, the chair of the task force. I urge you to give them your closest attention and to begin discussing with your colleagues how we can move toward implementation. If we act on these recommendations, then by 1996 I think that across the board we will see an improved experience for undergraduate students, and not just in the classroom, but in their total college experience. This is not an easy goal, and it will take the involvement and commitment of everyone at Penn State.

In 1996, we will probably have fewer undergraduate students. In my view it would be prudent to reduce the current undergraduate enrollment at University Park by perhaps two to three thousand students. On the other hand, I think we will see more undergraduate students at the Commonwealth campuses, as the campuses continue to reshape and refine their mission. It is likely that CES will change over the next few years and that the campuses will become both stronger and more responsive to the needs of their local communities. President Thomas has appointed a commission to look at intercampus issues and to look at campus missions.

Graduate Education

A second area is graduate education. I think we should be working to increase graduate enrollments, focusing especially on the recruitment of outstanding students. Although at the present time Penn State confers more baccalaureate degrees than any other Big Ten institution, we also award fewer master's degrees and doctorates. We need to revise that balance for Penn State. In general, the quality of graduate education is an issue that has not received enough attention and should be moved up on our agenda. If we are aggressive in pursuing these goals, then by 1996 we will see larger graduate enrollments with even higher quality programs.

"We must change our paradigm so that both activities -- research and teaching -- form part of the larger whole...scholarship."

Furthermore, as we look toward 1996, I am totally committed to improving the recruitment and retention of underrepresented minorities and women in key areas, and to creating a positive environment in which all of our faculty, staff, and students can develop their potential to the fullest. We have, I think, made a good start. We have in many units, and to some extent for the University as a whole, been examining where we are now and looking at ways in which we can promote changes in the environment.

The improvement of the University will depend, more than anything else, on our dedication to recruiting outstanding faculty. We must continue to strive for a positive environment for faculty and staff. We must continue to strive for a positive and challenging environment for students, both in the classroom and outside of it.

Continued Research Emphasis

In emphasizing undergraduate and graduate education, we must not lose sight of the importance of continuing our efforts to increase research and the funding for research. Our research initiatives are closely tied to graduate education, but I think we will also become more aware of how research informs and enriches teaching at the undergraduate level. We must change our paradigm so that both activities—research and teaching—form part of the larger whole that Ernest Boyer has termed scholarship. By 1996 we will probably have an even stronger focus on certain critical research areas and will have promoted further collaborative efforts among faculty. In general, we'll see a greater emphasis on collaboration, not only in research, but also in the development of innovative teaching methods.

I think that in the next five years we will see even greater accomplishments in research but also substantial improvement in the quality of the educational experience we offer our students. And certainly, our reputation will be enhanced as a result. We will continue to be perceived by the outside world as a university that is emerging as one of the best public universities in the country.

The Need for More Facilities

One area that has been especially challenging in the past few years has been the provision of adequate facilities. As President Thomas has often mentioned, when he arrived at Penn State the first message he got was that the University had an urgent facilities problem throughout, a problem of such proportions that it was threatening the quality of research and teaching. I was one of the messengers.

Over the past year, there has been an intensive effort to develop a five-year plan for new and improved facilities. President Thomas has made this one of his top priorities. As he noted to the Board of Trustees in September, a number of facilities are already under construction or slated to begin construction soon. These include the new Classroom Building, which will be completed in the next year. The addition to the Palmer Museum of Art is proceeding on schedule, and the Nittany Lion Inn expansion will be finished early next year. There will also be a new Music Building; a Hotel, Restaurant, and Recreation Management building, which will have some innovative research components in it; and a joint Engineering and Earth and Mineral Sciences building across Atherton Street. Construction of a new ARL building will begin soon. Several buildings will also be constructed at the campuses. I believe that we will have an addition to Pattee Library and that the HUB/Robeson Center addition will be completed. By 1996 we will also have completed the Convocation Center; companies will be moving into the Research Park, and we will have constructed a hotel, a research building, and a technology center there.

In addition to new buildings, there will be numerous renovations and relocations of units into more suitable space. Many of these projects are under way and should be completed by 1996. I want to stress that these projects are being funded primarily by University funds or bonds and to some extent by private fundraising. Some of these facilities will house activities that will generate revenue and help to retire the debt on the bonds. For example, the hotel, conference center, research building, and technical center will all be self-supporting. We will continue to make every effort to obtain state funding for new facilities and renovations. In all, 25 new buildings or major additions should be constructed by 1996, 17 of these at University Park for a total cost of $340 million. Many renovations should also be completed by that date. The total funds involved in these projects adds up to about $420 million. This compares with $184 million over the past six years.

"We will continue to be perceived by the outside world as a university that is emerging as one of the best public universities in the country."

The Overarching Goal

To return to our image of painting the picture. We see the underlying sketch of what we have now. We have a vision of what our picture ought to look like in 1996. What kinds of paints and brushes do we need to achieve the picture?

First, I think we must be agreed on our goal. In the present strategic plan, the University's overarching goal is to be one of the top research universities in the country. I believe that goal has served us well and should continue to be the overarching goal for academic planning in the University.

Second, we must recognize that this is a group painting. We must have a collective vision of what we want the University to be. It is important that we look at the University as a whole and not just at the pieces in which we are personally involved. We must work together and we must work across disciplines.

Third, it is clear that whatever we choose to do, we will have fewer resources with which to do it, at least for the next few years. It will be even more necessary to set priorities and to realign resources at all levels. We must aim at being better, not bigger.

Fourth, we will continue to emphasize strategic planning in setting the directions of the University at all

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Focus on the arts

Poe exhibit

This year marks the 150th anniversary of the first modern detective story. It was in March 1841 that Edgar Allan Poe's short story, "The Murders in the Rue Morgue," was published in Graham's Magazine, and a new genre was begun.

Pattee Library's Rare Books Room is honoring both Poe's singular achievement and the genre's remarkable development in its exhibit, "Edgar Allen Poe and Detective Fiction: A Sesquincetennial Tribute," running through Nov. 15.

The Rare Books Room is particularly pleased to display some of the fine items in the Poe collection of Stephen Loewentheil of the 19th Century Shop in Baltimore, MD.

Among the Poe pieces featured in the exhibit are the first printing of "The Murders in the Rue Morgue;" the extremely rare volume of Prose Romances; the first printing of Poe's late "Dupin" tales, "The Mystery of Marie Roget" and "The Purloined Letter;" and the first printings of such neglected detective fiction as "The Oblong Box" and "Thou Art the Man."

Also included are illustrated editions, translations, and scholarly studies of Poe's detective fiction. Accompanying these items are portraits of Poe and a small piece of Poe's coffin.

Aztec art

Elizabeth Hill Boone, director of pre-Columbian studies at Dumbarton Oaks, Washington, D.C., will present the lecture, "Incarnations of the Aztec Supernatural: The Image of Huitzilopochtli in Mexico and Europe," at 8 p.m. Thursday, Nov. 7, in 108 Wartik Lab at University Park.

She will discuss how cultures create physical forms to represent abstract supernatural conceptions. She will focus upon the Aztecs who gave sculpted and painted form to the concept of Huitzilopochtli, the principal Aztec deity, war god and reason for human sacrifice.

The slide-illustrated lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America, the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts, the College of Arts and Architecture and the Department of Anthropology.

Puppet performance

"Peter and the Wolf" and "The Sorcerer Bird's Apprentice," based on the children's classics, will come to life when the Hudson Vagabond Puppets perform at 3 p.m. Sunday, Nov. 10, in Eisenhower Auditorium at University Park.

"Peter and the Wolf" is the story of a young Russian boy who uses his hunting skills to outwit a wily wolf. The Penn State Mozart Orchestra, conducted by Douglas E. Meyer, will perform the score. Dave Reifsnyder narrates the tale.

"The Sorcerer Bird's Apprentice," an adaptation of the Grimm fairy tale, features 20 singing and dancing puppets, including the eight-foot-tall sorcerer bird. The Penn State Philharmonic, also conducted by Dr. Meyer, will provide the music.

Tickets are $5 for adults; $3 for children. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Low brass ensembles

The tuba-euphonium ensemble and the tuba-jazz group will perform in concert at 8 p.m. Sunday, Nov. 10, in the School of Music Recital Hall at University Park.

The tuba-euphonium ensemble, directed by Mark L. Lusk, assistant professor of low brass, and graduate assistant Joseph W. Skillen, will perform "Quartet for Tubas" by Crawford Gates. The program also will include Marcel Frank's "Lyric Poem for Tubas," performed by 12 tubas and 10 euphoniums, and J.S. Bach's "Prelude and Fugue in C minor," performed by a tuba-euphonium octet.

Faculty exhibition

The annual School of Visual Arts faculty exhibition will open Monday, Nov. 11, and run through Thursday, Dec. 5, in Zoller Gallery at University Park.

The exhibition will feature works by the School of Visual Arts faculty members from University Park and the Commonwealth Campuses and will include ceramics, sculptures, graphic design, painting, drawing, metals, photography, printmaking and papermaking.

There will be a reception for the artists from 7 to 9 p.m. Monday, Nov. 11, in Zoller Gallery.

Gallery hours are 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. to 4:30 p.m. Saturday and noon to 4 p.m. Sunday. The gallery is in the Visual Arts Building.

Art history lecture

Diana Fane, curator of African, Oceanic and New World art at the Brooklyn Museum, will present "From Ethnology to Art: American Indian Exhibitions at the Brooklyn Museum, 1903-1991" at 8 p.m. Tuesday, Nov. 12, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies at Penn State.

Ms. Fane currently is curator of the exhibition, "Objects of Myth and Memory: American Indian Art at the Brooklyn Museum," which opened Oct. 4. She joined the Department of African, Oceanic and New World Art at the museum in 1979 and was appointed curator in 1984.

Odyssey on WPSU

On "The Widow's Dilemma," the next episode of Odyssey Through Literature, host Leonard Rubinstein and Donna Rogers, assistant professor of Spanish, discuss one widow's quest for a new husband.

"Presumably having been married and having experienced the full pleasures of married life," Dr. Rogers explains of the widow in the 15th-century Catalonian novel, Curial e Guelpha, "she felt some pressure to find somebody else who would make her happy." Curiously, her quest for a husband is in some ways against her best interests. As a widow in the Middle Ages, she was as independent as a woman could be. Her quest, therefore, "is destined to remove from her the only thing that gives her all of her power in the first place."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Women's chorus

The Penn State Women's Chorus will perform in concert at 8 p.m. Wednesday, Nov. 13, in the School of Music Recital Hall at University Park.

The program will include works by Morales, Kodaly, Brahms, Thompson, Kubik and Berger.

The Keynotes, a 22-voice chamber choir selected from members of the Women's Chorus, will perform works by Monteverdi, Caccini, Morley, Holst and Vaughan Williams.

Singing Lions

The Penn State Singing Lions will perform in concert at 12:10 p.m. Thursday, Nov. 14, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include Carribean, country and jazz medleys performed by the 20-member show choir.

This stoneware teapot by Chris Staley is part of the annual School of Visual Arts Faculty Exhibition Monday, Nov. 11 through Thursday, Dec. 5.

Bandorama '91

Bandorama '91 will be held at 8 p.m. Friday, Nov. 15, in Eisenhower Auditorium at University Park.

The Blue Band will perform Penn State School Songs as well as shows of the season in review. Twirlers Lori Branley and John Mitchell and Drum Major Mike Harrell will be featured along with the Touch of Blue majorettes and the Blue Band Silks. The Penn State Symphonic Blue Band will open the show.

The Penn State Blue Band and Symphonic Band are directed by Ned C. Deihl and O. Richard Bundy.

Tickets to the performance, on sale beginning Oct. 28, are $7 for adults; $6 for students. To purchase tickets, call or visit the Eisenhower Auditorium Ticket Center.

Czech quartet

The Stamic Quartet of Prague, called one of the most exciting chamber ensembles to emerge in recent years, will perform in concert at 8 p.m. Friday, Nov. 15, in Schwab Auditorium at University Park.

The program will include Leos Janacek's String Quartet No. 1 in E Minor, "Kreutzer," Beethoven's String Quartet No. 11 in F minor, Op. 95, and Bedrich Smatana's Quartet No. 1 in E minor, "From My Life."

The quartet was formed in 1985 and has won numerous awards, including the silver medal at the International Festival of Young Soloists in Boudeaux, France.

Members of the quartet will discuss the evening's program at 7 p.m. in Schwab

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University Park Calendar

November 7 -- November 17

Special Events

Thursday, November 7
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel.
"HUB Personal Issues Series," workshop, "Mental Health Issues for Lesbians and Gay Men: An Affirmative Perspective," 8 p.m., HUB Fishbowl. Workshop Leader is Esther Rothblum, Dept. of Psychology, Univ. of Vermont.
Center for Higher Education Lecture Series, 8 p.m., HUB Gallery. Catharine R. Stimpson, Rutgers, on "What Is Correct About Politically Correct?"
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly. Esther Rothblum, Univ. of Vermont, on "Mental Health Issues for Lesbians and Gay Men: An Affirmative Perspective."
School of Music, 8 p.m., Recital Hall. Penn State Piano Trio

Saturday, November 9
School of Music, 8 p.m., Recital Hall. Penn State Concert Choir/Chamber Singers.

Sunday, November 10
Shaver's Creek, 2-4 p.m., Making Herbal Soap. Call 863-2000.
Center for the Performing Arts, 3 p.m., Eisenhower Aud. Hudson Vagabond Puppets, Peter and the Wolf and The Sorcerer Bird's Apprentice.
Carnegie Hall Film Series, 7 p.m., McCabe and Mrs. Miller (1971); 9:15 p.m., Mildred Pierce (1945), 108 Wartik. Free.
School of Music, 8 p.m., Recital Hall. Penn State Tuba-Euphonium Ensemble.

Monday, November 11
Comp. Lit. Luncheon Group, 12:15 p.m., 101 Kern. Reiko Nemoto on "Grotesque World: De Kenzaburo and Gunter Grass."
Sex Feminist Scholars Lecture Series, 8 p.m., Living Center, 110 Henderson. Katsi Cook on "Through the Women's Door: Native American Women-Environment and Development Into the 21st Century."

Tuesday, November 12
Eta Upsilon Chapter of Alpha Sigma Lambda Honor Society, meeting, 6:30 p.m., 329 Boucke. Refreshments served.
CWS Sexual Assault Awareness/Prevention Week, 7 p.m., Paul Robeson Cultural Center. Films/discussion: "Waking Up To Rape."
■ "Latinos Fight Back," and "Diana's Hair, Ego: AIDS Information Up Front."
Art and the Native American: Perceptions, Reality, and Influences, 8 p.m., 112 Walker. Diana Fane, The Brooklyn Museum, on "From Ethnology to Art: American Indian Exhibitions at the Brooklyn Museum, 1903-1991."

Wednesday, November 13
■ Workshop, 8:30 a.m.-noon, 313 Keller Conference Center. Elaine Brough, sr. extension entomologist, Dept. of Primary Industries, Queensland, Australia, on "Soft Systems Methodology: Using Community Resources in Extension Programming." Also 3:30-5 p.m., 101 Ag Sciences and Industries.
■ Exploring the Feasibility of Collaborative Programs with Australia-New Zealand."
WISE Forum, Brown Bag Lunch/Discussion, 12:15-1:15 p.m., Frizzell Room, Eisenhower Chapel. Londa Schiebinger on "Gender in the Substance and Style of Science: Are the Results of Science Sexist?"
Computer and Information Systems Training Center, open house, 2-5 p.m., 116 and 117 Wagner.
CWS Sexual Assault Awareness/Prevention Week, 7:30 p.m., HUB Assembly Room. Mock Acquaintance Rape Trial.
School of Music, 8 p.m., Recital Hall. Penn State Women's Chorus.

Thursday, November 14
Trustees meet, University Park, through Nov. 15.
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel.
■ Talk, 4-5 p.m., Women's Studies Lounge, 12 Sparks. Elaine Brough, sr. extension entomologist, Dept. of Primary Industries, Queensland, Australia, on "Networking, Community Development and Rural Women in Australia."
Donald W. Davis Lecture, 8 p.m., HUB Aud. Edwin Diamond, N.Y. magazine, on "Down and Dirty: Political Advertising 1960-1992."

Friday, November 15
■ Talk, 3:30-4:30 p.m., 514 Ag Sciences and Industries. Elaine Brough, sr. extension entomologist, Dept. of Primary Industries, Queensland, Australia, on "Sustainable Agriculture: The Australian Experience."
Shaver's Creek, 7-8:30 p.m., Fireside Stories. Call 863-2000.
Center for the Performing Arts, 8 p.m., Schwab Aud. Slavic Quartet of Prague.
School of Music, 8 p.m., Eisenhower Aud. Bandorama.

Saturday, November 16
Shaver's Creek, 2-3:30 p.m., Pods, Prickles and Parachutes. Call 863-2000.

Sunday, November 17
Shaver's Creek, 2-3:30 p.m., Snakes: Fact, Fiction and Folklore. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Invasion of the Body Snatchers (1956); 8:30 p.m., Last Year at Marienbad (1962), 108 Wartik. Free.

The Hudson Vagabond Puppets will present "Peter and the Wolf," Sunday, November 10 at 3 p.m. in Eisenhower Auditorium

Conferences

Continuing Education
Keller Building

Nov. 11. PGA Seminar. Jeff Mowrer, chair; Jerri Milsom, coordinator.
Nov. 11-15. HEC-2 Floodplain Hydraulics. Arthur Miller, chair; Barb Impelliteri, coordinator.
Nov. 12-15. Mammalian Cell Cultures Workshop. Kamal Rashid, chair; Jerri Milsom, coordinator.
Nov. 13. Computer Integrated Seminar. Jerri Milsom, coordinator.
Nov. 13-15. School Business Managers. Jerri Milsom, coordinator.
Nov. 13-15. Elements of Coal Preparation. Robert Frantz, chair; Eric Loop, coordinator.
Nov. 14-15. Fifth Pennsylvania Blasting Conference. L. Barry Phelps, chair; Chuck Herd, coordinator.

Seminars

Thursday, November 7
Biological Chemistry, 12:15 p.m., S5 Osmond. Mike Natan on "Chemistry and Applications of Parathion Hydrolase."
Physics Colloquium, 3:30 p.m., S5 Osmond. J. Rosner, Univ. of Chicago, on "Precise Electroweak Tests and Their Implications."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Mark Lomolino on "Biogeography and Conservation of Isolated Biota."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Hubert Schwetlick, Martin Luther Univ., Germany, on "Nonlinear Parameter Estimation: Models, Criteria, Algorithms."
Gerontology Center Colloquia, 4 p.m., 106 Mitchell. Joseph Adelstein, Paul Nolen on "Music Therapy and Working with the Elderly."

Friday, November 8
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Krishnan Raghavachari, AT&T Bell Labs., on "Electronic Structures of Metal and Semiconductor Clusters."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Usharani Narem on "Root and Top Characteristics of 'Matua' Prairie Grass Compared to Other Cool-Season Species during Establishment."
Geog. Coffee Hour, 4 p.m., 319 Walker. Gary Gallagher on "Should Academics Be Interested in Civil War Battlefield Preservation." Refreshments, 3:30 p.m.

Monday, November 11
*International Seminar on Social Policy and Social Services, 1:30-3 p.m., Paul Robeson Cultural Center Aud. Mark Lyons, Univ. of Technology, Australia, on "The Myth of Privatization — Changing Public-Private Relations in Australia's Human Services — Implications for Community-Based Agencies."

Tuesday, November 12
Plant Pathology, noon, 112 Buckhout Lab. Soumaila Sanogo on "Discussion of the Significance and Implications of Latent Infections in Plant Diseases Control."
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. John Frangos on "Fluid Flow and Bone Remodelling." Refreshments 2:30 p.m.
Chemistry Colloquium, 3:30 p.m., S5 Osmond. Harry R. Allcock on "Materials Design and Synthesis at the Boundaries of Biology and Solid State Science."
Graduate Program in Nutrition Colloquium, 4 p.m., 108 Tyson. Clark Grosvenor on "Milk Prolactin: It's Role In Neuroendocrine Development."

Wednesday, November 13
Science, A.L. Bortree Lecture Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Will Hueston, dir. of National Animal Health Monitoring System, on "Bovine Spongiform Encephalopathy (BSE): Veterinary Epidemiology in Action." Refreshments, 8:30 a.m.
Analytical Chemistry, 11:15 a.m., S5 Osmond. David Nesting on "Probing Surface Adsorption Using Optical Second Harmonic Generation." Refreshments 11 a.m.
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Sanat Kumar on "Computer Simulation of Polymer Systems in the Bulk and at Surfaces."

Thursday, November 14
Biological Chemistry, 12:15 p.m., S5 Osmond. Tadhg Begley, Cornell, on "Light-Dependent Enzymes: Mechanistic Studies on a Novel Class of Biocatalysts."
Physics Colloquium, 3:30 p.m., S5 Osmond. R. Laughlin, Stanford, on "Implications of Fractional Charge in Physics."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Charles Canham, Cary Arboretum, on "Role of Competition vs. Herbivory in Tree Seedling Invasion of Old Fields."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. James Hagberg, Univ. of Maryland at College Park, on "Effect of Exercise on Hypertension and Diabetes as Part of Syndrome X In Older Populations."
Syndrome X In Older Populations."

Friday, November 15
School of Forest Resources Seminar Series, 11:15 a.m., 124 Ag Eng. Charley Canham, Cary Aboretum, on "Spatially Explicit Dynamics in Forests: Causes and Consequences of Resource Heterogeneity." Refreshments 11 a.m.
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. John Brown, Oxford Univ., on "High Resolution Spectroscopy of Involatile Compounds in the Gas Phase."
Geog. Coffee Hour, 4 p.m., 319 Walker. Peter Jackson, Geog. Univ. College, London. Refreshments 3:30 p.m.

■ Reflects an international perspective

Awards

Two recognized for exceptional work in academic services

Janet Coder

Janet Coder and Anne Jones have received the 1991 Vice President's Award for Exceptional Academic Services.

The award is given each year to a clerical employee and staff employee in the Division of Academic Services.

Ms. Coder, the staff recipient, is assistant coordinator for client services in the Office of Student Aid.

Anne Jones

Ms. Jones, the clerical recipient, is a secretary in the McKeesport office of the Penn State Educational Partnership Program.

Therapy director garners top award

Haru Hirama, director of the occupational therapy assistant programs at the Mont Alto and Berks campuses, has received the Pennsylvania Occupational Therapy Association's Award for Outstanding Achievement.

The award, the top honor the association bestows, was given in recognition of Dr. Hirama's accomplishments in the field of occupational therapy.

In addition to directing the occupational therapy assistant (OTA) programs at the two Penn State campuses, Dr. Hirama formerly coordinated the OTA program at Lehigh County Community College, Schnecksville. She has held numerous positions, including director of occupational therapy, staff therapist and commissioned officer and assistant chief of occupational therapy at an Army hospital.

She holds doctoral degrees in home economics, educational counseling and special education.

Haru Hiromo

Faculty, staff earn honors

● Marie Secor, associate professor of English, has been honored as an outstanding faculty member by the College of the Liberal Arts in recognition of National Higher Education Week.

Dr. Secor served as the 1990 Alumni Teaching Fellow and was the 1991 Penn State nominee for the CASE Teacher of the Year award. She was a member of the University Task Force for Undergraduate Education.

Dr. Secor is past president of the Association of Teachers of Advanced Composition, a founder of the Penn State Rhetoric Conference and a frequent speaker at national conferences. She has published frequently on rhetoric and argument and on Victorian literature.

● Ellen Barbrow, assistant professor, Janet Raytek, instructor, and Bonnie Bakos, instructor of dietetics, all from the College of Health and Human Development, and Steve Wright, assistant director of academic affairs in Independent Learning, were all instrumental in helping earn a recent honorable mention for innovation in the production of program support materials for Penn State's dietetic extended degree programs.

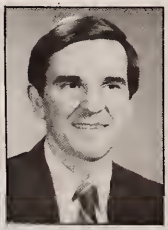
● Kevin Murnane, assistant professor of psychology, received the Irving J. Saltzman Award from the Department of Psychology at Indiana University.

Arts and Architecture wins national publication award

"Look Into Arts and Architecture, Look Into Penn State," a view book for the College of Arts and Architecture, has been awarded a certificate of merit in the advisee category for the 1991 Publication Awards of the National Academic Advising Association.

The view book was written by Sally Atwood, former coordinator for public information in the College of Arts and Architecture, and designed by Erin J. Wease, Department of Publications. Mary Beth Carlin, of the Publications Department, was production coordinator.

25-year award recipients



Observing 25 years of service at the University are, from left, Michael J. Gerber, director, Accounting Operations, Corporate Controller's Office; Ronald S. Kaal, associate dean for undergraduate programs, The Smeal College of Business Administration; Edward H. Rosenstock, research assistant, University Testing Service; Richard D. Twork, associate professor of quantitative business analysis, The Smeal College of Business Administration; W. Frank Vangehr, financial officer, Vice President for Research and Dean of the Graduate School.

Arts

Continued from Page 6

Auditorium as part of the Artistic Viewpoints lecture series.

Tickets to the performance are $16 and $13 for adults; $12 and $9 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

'La Sylphide'

The ballet "La Sylphide," will be performed at 8 p.m. Wednesday, Nov. 20, in Eisenhower Auditorium at University Park.

"La Slyphide," a new production by Les Grands Ballets Canadiens, was first performed in 1832 at the Paris Opera. A classical romantic ballet, it tells the story of James, a young Scotsman who falls in love with an unearthly female spirit.

For ticket information, call the Eisenhower Auditorium Ticket Center at 863-0255.

'The Art of Nature'

"The Art of Nature," by Ann Vandervelde is on display in Pattee Library's Lending Services Gallery through Nov. 29.

The exhibit includes watercolors of subjects ranging from pebbles to tree bark, mountain ranges to orchids, and abstract collages based on the time the artist spent in England.

Listed in the 1990 edition of Who's Who of American Women, Ms. Vandervelde has had her work published in the Running Shoe Book by Peter Cavanagh and The Physiology and Biomechanics of Cycling by Cavanagh and Irvin Faria. Her work also has been on display in a number of exhibitions throughout the state.

'Cats' Tickets

"Cats," Andrew Lloyd Weber's Broadway musical, will be presented at 8 p.m. Tuesday, March 24, Wednesday, March 25, and Thursday, March 26, in Eisenhower Auditorium at University Park.

Season subscribers and patrons who purchased seats in advance should consult their tickets to determine the assigned performance. Tickets marked "to be announced—1" are for the Tuesday, March 24, performance. Tickets marked "to be announced—2" are for the Wednesday, March 25, performance.

Ticket holders who cannot attend their assigned date or who wish to exchange their seats for the third show must contact Eisenhower Auditorium Ticket Center no later than Saturday, Nov. 16. No exchanges will be processed after that date.

To exchange seats, patrons must return tickets in person or mail them to the Ticket Center, 101 Eisenhower Auditorium, The Pennsylvania State University, University Park, Pa. 16802.

For more information, call the ticket center at (814) 863-0255.

Arts at...

Berks Campus

Penn Players, the Berks Campus theatre group, will present the nineteenth-century temperance melodrama "Ten Nights in a Barroom" on Fri. and Sat., Nov. 8 and 9, in the Student Center Auditorium. Both performances will begin at 8 p.m.

Penn State Erie

Behrend's Studio Theater's Matchbox Players present "Baby With the Bathwater," a comedy by Christopher Durang. The play, which premiers Friday, Nov. 1 runs Friday and Saturday nights at 8 p.m. until Nov. 16. Sunday matinees are Nov. 3, 10 and 17 at 2:30 p.m. . For more information call (814) 898-6331.

Faculty/Staff Alerts

Prescription drug plan

Faculty, staff and retirees who have prescriptions filled at the Ritenour Health Center pharmacy under the Maintenance Prescription Drug Plan (MPDP) are reminded that the pharmacy will be closed for several days over the Thanksgiving and Christmas holidays.

The pharmacy will not be open from Thursday, Nov. 28, through Sunday, Dec. 1, and from Saturday, Dec. 21, through Wednesday, Jan. 1.

Those individuals who will need prescriptions filled in November and December are urged to request the service in advance of those dates as prompt service cannot be guaranteed at the last minute.

MPDP users also are reminded that interoffice and U.S. Mail Services may be used when ordering prescription drugs. Prescription refills may be ordered by calling the pharmacy (856-9321).

Questions about the MPDP may be referred to the pharmacy or the Employee Benefits Division (865-1473).

Smoking cessation

The American Cancer Society Fresh Start program will be offered at University Park this month to coincide with the annual Great American Smokeout. Faculty and staff who are considering quitting for the Smokeout on Nov. 21 may want to enroll in this program in preparation for the day.

The program begins on Tuesday, Nov. 12, and meets for four sessions (Nov. 12, 14, 19, 21), from noon to 1 p.m. in Room 520 Rider Building. Space is still available and interested faculty and staff are invited to participate. There is no charge for the program.

To enroll in the Fresh Start program, call the Faculty/Staff Health Promotion Office at (814) 865-3085.

Blood pressure screening

On Wednesday, Nov. 13, student educators from the Office of Health Promotion and Education will provide a free blood pressure screening for faculty and staff at University Park from 10 a.m. to 2 p.m. in Kern Building.

The Faculty/Staff Health Promotion Office encourages participation in regular blood pressure checks. The student educators are certified by the Pennsylvania Department of Health and conduct the screening programs as part of their training with the Student Health Resource Center.

For information, call the Student Health Resource Center at 863-0461.

Brighton

Continued from Page 5

levels. The overall direction was set by President Thomas in his address last April, which he called "The Challenges Before Us." This is the blueprint from which I will work. Strategic planning has proved successful in helping to establish priorities and identify resources, and it will continue to be the primary vehicle for our collective effort to advance the University. Strategic planning will be the process for construction from President Thomas' blueprint.

We have an effective structure in place along with processes that are clearly laid out for conducting the operations of the University. This structure and these processes have been put in place and are maintained through many hours of work on the part of the administration, the Senate, and individual faculty members serving on all types of committees and task forces.

I have come to believe that what really makes a difference is working continuously to improve structures and, especially, processes. We must be able to make major changes where they are needed and where they will produce a better result, but we must also commit ourselves to continuously improve what we are already doing—in the classroom, in the laboratory, in the studio, in our professional organizations, and in our communities.

We are emerging as one of the top research universities, but we are by no means good enough. It's always nice to see the rankings, as unscientific as many of them may be. As you probably know, the latest *U.S. News and World Report* gave us high marks. We are seeing consistent improvement in our overall rankings and also in the rankings for certain colleges and departments. But our goal goes beyond the improvement of ratings. We will provide a positive and challenging learning environment for all of our students and a working environment in which all of our faculty and staff can develop their potential.

So this is how I see us painting our collective picture of what we will be in 1996. I have used the words "we," "improvement," and "assessment" repeatedly in my remarks. It is my view that we will work as a team in painting the picture over the next five years. As I noted earlier we are not beginning with a blank canvas. We will carefully assess our work and seek ways to continuously improve what I think has the potential to be a masterpiece. I feel very positive about this adventure we are undertaking, and look forward to being a part of it.

I have tried to sketch for you the vision I have of what this University can and will be. We will be consulting with many groups on many occasions about specific proposals to implement our goals. I look forward to working with President Thomas, the deans, and other officers of the University. I look forward to working with the Senate and the faculty in every way that I can in order to help make this a better university. I'm an optimist but I'm also a realist. Both sides tell me that we can achieve what we want if we work hard and if we work together.

Thank you.

Penn Staters

Alan Booth, professor of sociology and human development, has received a $563,267 grant from the National Institute on Aging to study "Marital Instability Over the Life Course."

James G. Brasseur, assistant professor of mechanical engineering, spoke on "Scale Interactions in High Reynolds Number Turbulence" in a fluid dynamics series sponsored by the Ecole Centrale de Lyon in France. He also presented "Large and Small Scale Coupling in Homogeneous Turbulence," co-authored by P.K. Young, at the Eighth Symposium on Turbulent Shear Flows in Munich, Germany.

France A. Cordova, professor and head of the Department of Astronomy and Astrophysics, has been named to NASA's Space Science and Applications Advisory Committee.

Alan Davis, professor of geology and director of the Energy and Fuels Research Center, has been elected president of the International Committee for Coal and Organic Petrology.

David Dunbar, extension agent in Lehigh County; **Nancy Kadwill**, extension agent in Montgomery County, and **William Messersmith**, county extension director in Lycoming County, have received the Distinguished Service Award from the National Association of County Agricultural Agents.

Ray T. Fortunato, assistant vice president for personnel administration emeritus, has been honored as one of 17 successful human resources professionals from business, industry and higher education featured in Profiles of Success, published by the College and University Personnel Association.

Elwood Hatley, professor of agronomy, has received the Extension-Industry Award from the Northeast Branch of the American Society of Agronomy.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, presented a keynote lecture on "Novel Swelling Mica: Synthesis, Characterization and Cation Exchange" at the International Conference on Ion Exchange '91 in Tokyo, Japan. He also presented an invited lecture on "Nanocomposite Clays" at Waseda University, Tokyo

.B. Lakshminarayana, Evan Pugh professor of aerospace engineering, presented a paper titled "The Structure of Tip Clearance Flow in Axial Flow Compressors" at the 10th International Symposium on Air Breathing Engines in Nottingham, England.

John M. Skelly, professor of plant pathology, served on a five-person United States delegation that made a 10-day tour of the forest situations in Poland. Th e team was hosted by the science programs of the Polish Academy of Science, various Forest Institutes throughout the regions, and faculty of the Jagiellonian University, Krakow.

Joseph McGahen, professor emeritus of agronomy, has received the Career Service Award from the Northeast Branch of the American Society of Agronomy.

Robert E. Newnham, Alcoa professor of solid state science at the Materials Research Laboratory, presented an invited lecture on "Ferroelectric Sensors and Actuators" at the International Summer School on Ferroelectric Ceramics in Ascona, Switzerland. He also recently gave the keynote speech, "Electroceramics in the 1990s and Beyond," at the Second European Ceramic Conference in Augsburg, Germany.

Adrian Ocneanu, professor of mathematics, gave a series of nine lectures titled "Subfactors, Three Dimensional Manifolds and Topological Quantum Field Theory" at the College de France in Paris. He also is serving as an invited lecturer at the Centre National de La Recherche Scientifique in Paris, the University of Rome, Cambridge University and the University of Copenhagen.

Nancy M. Tischler, director of Summer Sessions, has been elected president elect of the North American Association of Summer Sessions.

Brian Tormey, associate professor of environmental sciences at the Penn State Altoona Campus, has been elected second vice president of the National Association of Geology Teachers (NAGT).

B.R. Tittmann, Kunkle professor in engineering science and mechanics, presented a paper at the European Conference on Internal Friction and Ultrasonic Attenuation in Solids in Krakow, Poland. He also presented a colloquium titled "Ultrasonic Characterization of Composites: Carbon Carbon" at the University of Paris, France.

Albert Vannice, distinguished professor of chemical engineering, gave a plenary lecture titled "CO Oxidation Al2O3-Supported Pd, Cu, and Pd-Cu Catalysts" at the 6th Brazilian Symposium on Catalysis in Salvador, Brazil.

Promotions

Staff Exempt

Dixie L. Burris, to coordinator, membership relations in College of Agriculture.
Jo Ann T. Coleman, to manager, Housing and Food Services at Capital College.
Donald L. Comly, to merchandise specialist in Penn State Bookstore.
Elizabeth Daye, to proposal and grant assistant in Earth and Mineral Science.
Judy M. Everly, to applications programmer/analyst in C&IS-Management Services.
Christine A. Garman, to program coordinator at Hershey.
Shelley F. Gette, to assistant to the financial officer II in Earth and Mineral Sciences.
Gary N. Homan, to supervisor, customer services data entry and quality assurance in College of Agriculture.
Ralph R. Hosterman, to director, student loans and scholarships in Corporate Controller's Office.
Mary Jane Hovanec, to research engineer, Applied Research Lab.
Stanley E. Latta, to associate director, campus life in Student Services.
Martha P. Miller, to lead applications programmer/analyst in Office of Budget and Resource Analysis.
Jeffrey T. Mowrer, to head golf professional in Auxiliary Recreation Services.
Cindy C. Musser, to grants and contracts assistant in Research and Graduate School.
Susan L. Pentz, to program aide at Mont Alto Campus.
John D. Popp, to project associate in Education.
Mark A. Rose, to senior research aide in Agriculture.
Karen L. Schultz, to director, student information systems in Academic Services.
Kevin A. Smith, to senior project associate in Research and Graduate School.
Timothy M. Whitehill, to senior applications programmer/analyst in Office of Budget and Resource Analysis.
Ethel B. Williams, to assistant to the financial officer II in Earth and Mineral Sciences.
Ann M. Wolf, to director, analytical services lab in College of Agriculture.
Carol A. Zeiss, to statistical analyst in Liberal Arts.

Staff Nonexempt

Helen Chambers, to licensed practical nurse at Hershey.
Maria A. Condran, to coordinator, information desk at Hershey.
Karol E. Confer, to research technologist in Research and Graduate School.
Susan K. Edgren, to research technologist in Research and Graduate School.
Marlin D. Fishburn, to research aide in Research and Graduate School.
Laurie J. Hafer, to research technician at Hershey.
Kathleen A. McCartney, to college relations assistant in College of Agriculture.
Lisa R. McCuistion, to staff nurse/nurse clinician at Hershey.
Andrew D. McWilliams, to senior research technician at Hershey.
Martin M. Park, to financial counselor at Hershey.
Terry L. Richardson, to services desk coordinator in Office of Physical Plant.
Amy D. Schultz, to research technologist in Education.

Clerical

Erin Ammerman, to clerk typist A in Liberal Arts.
Michelle L. Barnyak, to secretary B in Research and Graduate School.
Sarah M. Bawel, to secretary A in College of Engineering.
Julie A. Brackle, to secretary C at Behrend College.
Shelby L. Coslo, to technical secretary B in Applied Research Lab.
Nancy J. Crozier, to senior medical transcriptionist at Hershey.
Sheila K. Evans, to secretary B in College of Engineering.

Focus on Research

Researchers look at people of Kenya

Rendille woman scrapes cowhide for her house.

Famine relief efforts have brought changes to the lifestyles of nomadic pastoralists in Kenya, but these changes are not necessarily bad, according to a University anthropologist.

"What most westerners perceive as the outcome of the drought is starving people in camps being fed famine relief food," Elliot M. Fratkin, assistant professor of anthropology, said.

Since the 1970s, the area of northern Kenya has experienced both the 1973 Sahel drought and the 1984 Ethiopian drought, but they have not suffered the devastating famines of war-torn Sudan or Ethiopia.

"What we saw in 1984 and 1985 sticks in our minds as starving Africa, but that picture is only true in times of crisis intervention. We need to look at things in the long term and determine what accompanies the establishment of famine relief centers and what happens after the famine is over."

Dr. Fratkin and Martha Nathan, M.D., investigated the effect of migration to towns on the health of the Ariaal Rendille, a nomadic pastoralist group that raises cattle, camels and goats and sheep.

After the droughts of the 1980s, nomadic pastoralists of northern Kenya moved to towns where famine relief is available. Health care, education and a market economy became available with the move. After the last drought, many Rendille chose to remain in the towns.

"We expected to find that although health care was better in towns, children under five wouldn't have access to milk and would be nutritionally less well off than those Ariaal who remained in traditional nomadic villages," Dr. Fratkin said.

What the researchers found was that although there was more disease in town, and hemoglobin levels were lower, the body mass index — a measure of nutritional health — was higher in the towns than for the nomads.

The Ariaal Rendille traditionally live in nomadic villages of 50 to 250 people. The researchers studied the town of Korr, which was established in 1973 by Catholic missionaries at an improved permanent water hole and now has 4,500 inhabitants.

Traditional Rendille raise cattle, which they graze up in the mountains; camels, which graze in the desert, and small animals that graze near their village site. Their cattle provide about one liter of milk per day, but their camels provide 10 liters per day and the Rendille subsist, for the most part, on milk, blood and meat, and grains obtained by trading animals.

Cattle and camels can not be raised in the towns because of a scarcity of grazing land, which also limits the numbers of small animals. While Rendille are not turning to farming because of the extreme shortages of water, they are practicing selective gardening.

"The Rendille never had fruits or vegetables before and now about 10 percent of the people are gardening," Dr. Fratkin said.

When the researchers looked at exactly what the nomadic villagers and the sedentary townspeople were eating, they found that the nomads had monotonous, monochromatic diets of nothing but milk for long periods of time. The townspeople did have access to milk, and they also had maize, beans, vegetables, potatoes and some fruit.

"This information suggests that the more pastoralists are integrated into a market economy, the better their diets."

Another consideration is that settled women, who along with children make up the majority of townspeople, do not want to return to nomadic villages.

"The women say that water is close, medical care is available and there are schools for their children. They do not want to go back to the villages where one of their jobs was to bring water from as much as 10 kilometers away."

Few Rendille families have completely abandoned the nomadic village and their old way of life. Although some women and young children may be in town, the boys and young men are in the mountains with the cattle and the older men look after the camels.

"What we are seeing is the real process of switching from a nomadic existence to a sedentary life," Dr. Fratkin added. "It's not an immediate change, but a gradual shift. It's part of the larger picture of urbanization in Africa."

Drs. Fratkin and Nathan plan to return to Kenya in December for a month to do a follow-up survey of health and nutrition during the dry season. Next year they plan to begin a multidisciplinary study of demography, health and economics. This work would include a study of the spread of AIDS in the area.— A'ndrea Elyse Messer

Rendille sacrificing goat during soriv ritual.

Elliot Fratkin with daughter, Leah, and Rendille women.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 432-0304). Applications for these staff vacancies will be accepted until 5 p.m., Thursday, November 14. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■01939, **Engineering Aide, Engineering, Engineering Science and Mechanics, University Park Campus** – Responsible to the department Head, Engineering Science and Mechanics, for the design, construction, and operation of laboratory equipment in conjunction with materials processing research. Assist in laboratory activities related to instruction and research. Instruct and monitor graduate and undergraduate students in the use of instructional and experimental laboratory facilities. Requires associate degree, or equivalent, with two to four years effective experience in materials processing, mechanical engineering, electronics, or related field. STAFF GRADE 5.

■01940, **Customer Service Coordinator, Office of Business Services, University Park Campus** – Responsible for serving as liaison with Printing Services and customers, coordinating schedules, materials, designs and production, including writing and preparing various communication materials. Requires bachelor's degree, or equivalent, in business administration or related field plus one to two years of effective experience or associate degree, or equivalent, plus two to three years of effective experience in estimating and coordinating printing and production jobs, supervisory experience, public relations, and verbal and written communication skills. Familiarization with microcomputer text and graphic applications is highly desirable. STAFF GRADE 5.

■01941, **Coordinator, Public Information, Bebrend College, Development and University Relations** – Responsible to the director of development and university relations for performing a wide variety of duties, including coordination of internal and external communications, publications and media relations. Requires bachelor's degree in appropriate field of study, with two to three years of effective experience in related duties. Excellent written and oral communication skills are essential. STAFF GRADE 6.

■01942, **Food and Beverage Manager and Director of Catering, Nittany Lion Inn, University Park Campus** – Responsible to the general manager, Nittany Lion Inn, for the operations of the Food Service Department, including fine catering, food service personnel and the total operation of the hotel in absence of the general manager. Requires bachelor's degree, or equivalent, in hotel, restaurant and institutional management plus five to seven years of effective experience in food service administration and supervision. STAFF GRADE 8.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by November 14.

■I0072, **Computer Operator, Information Systems** – Responsible to the manager of information systems, College of Medicine, for monitoring and controlling electronic computers on established routines and for assisting department staff members as required. Requires two years of college or equivalent with one to two years of experience in data processing. STAFF NONEXEMPT, GRADE 4. (This is a third- shift position, midnight to 8 a.m.)

■I0064, **Manager, Supply and Distribution, Department of Materials Management** -- Responsible to the director, Materials Management, for assistance in the development of policies and procedures for the University Hospital and the supply and distribution of materials and services necessary to support the functioning of the hospital. Requires a bachelor's degree in business administration or management engineering or equivalent, plus 3 to 4 years of effective experience, preferably in the area of material handling and inventory control within a hospital setting. STAFF EXEMPT 7.

Deans, executive officer nominations being sought

Altoona Campus

An Advisory Search Committee has been appointed to identify candidates for the position of campus executive officer at the Penn State Altoona Campus.

Donald E. Fahnline, associate professor of physics at the Altoona Campus, has been named committee chair. Other members are:

Malcolm D. Hill, associate professor of sociology; **Wendy Martinec**, vice president, Student Government Association, **Brian B. Tormey**, associate professor of environmental science, and **Joan M. Shiffler**, secretary, all at Altoona Campus; **D. Terry Hartman**, campus executive officer, DuBois Campus; **Catherine Lyons**, administrative fellow, Office of the President; **R. Alan Price**, associate professor of English, Penn State Hazleton Campus; **Gloriana S. St. Clair**, assistant dean and head of Information Access Services, University Libraries.

Candidates should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration.

Send two copies of resume to Senior Vice President and Dean, Commonwealth Educational System, 111 Old Main, Department C11E, University Park, PA 16802. Applications and nominations will be received until a suitable candidate is selected.

Liberal Arts

The College of the Liberal Arts invites nominations and applications for three positions on the college administrative staff: associate dean for research and graduate studies; associate dean for Commonwealth Educational System (CES) and Continuing Education, and assistant dean for undergraduate education.

Applicants for the position of associate dean for research and graduate studies must be tenured associate professors or professors with established records in scholarship and graduate education.

Susan Welch, dean of the college, said the primary task of the associate dean is the development of a college program for the encouragement and facilitation of faculty research and external funding efforts.

The associate dean for CES and Continuing Education is the college's direct link to CES faculty and administration. Applicants must be tenured University faculty members.

The assistant dean for undergraduate studies will have responsibilities for enrollment management, controls on majors and courses, diversity, writing across the curriculum, summer school, and related tasks. The position initially will be half-time. Candidates must be tenured associate professors or professors.

Applications for these positions will be assured of consideration if received by Nov. 27. However, applications will be considered until the positions are filled.

Initial applications should include a cover letter, a curriculum vita, and the names of three references. Applications and nominations should be submitted to Dean Susan Welch, attn. Pat Miller, 110 Sparks Building, University Park.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main. Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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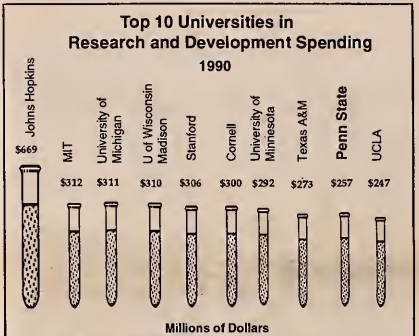
University is ranked ninth in research and development



Penn State ranks ninth among all universities in total research and development spending according to recently released National Science Foundation figures.

In fiscal year 1990, which ran from Oct. 1, 1989 to Sept. 30, 1990, the University spent nearly $257 million for research and development in science and engineering, a 17 percent increase over 1989. During fiscal 1989, the University spent $219.9 million and was ranked 11th overall.

"Over the past six years, Penn State has increased its research funding by 170 percent," Charles Hosler, senior vice president for research and dean of the Graduate School, said. "This is the greatest increase of all of the top 20 research universities and double the average rate."

The 1990 rankings place Penn State fifth among public research universities in total research and development spending, an increase from seventh in 1989.

"These rankings and Penn State's steady rise from fifteenth just three years ago into the top ten this year is a reflection on our standing as a public research university and on the faculty and students who make up the University," Dr. Hosler said.

"This defines Penn State as a university with special advantages influencing the quality of undergraduate and graduate education. We have a proven ability to provide state-of-the-art facilities to educate and train the next generation of American researchers."

Johns Hopkins University was first in spending with $669 million. The Massachusetts Institute of Technology was second with $312 million and the University of Michigan moved from sixth place to third with $310.

The fourth through eighth ranked schools are University of Wisconsin-Madison, Stanford, Cornell, University of Minnesota and Texas A&M. Including Penn State, four Big Ten schools rank in

See 'Research' on Page 3.

Elsewhere in Higher Education

Editor's Note: Budget cuts and other fiscal constraints are key concerns among higher education institutions in the American Association of Universities, of which Penn State is a member. The following excerpts are from The Monitor, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

■ As a result of the continuing economic downturn in the state, the **University of Maryland** has been forced to let go some of its employees. On Oct. 15, layoff letters to less than 100 employees were to be delivered. The layoff action, unprecedented in University history, was taken in response to the most recent budget cut of $4.3 million.

■ **Iowa State University** will make do with less next fiscal year by cutting back on programs and staff, holding the line on salaries and reallocating funds to cover unavoidable cost increases and essential program needs. "There is no doubt that this is going to be a tough budget year," ISU President Martin Jischke said.

■ Budget managers at the **University of North Carolina** are expecting this year to be tougher because of the loss of overhead receipt money and salary reserves and accumulated effect of budget cuts during the last three years.

■ In response to further cuts imposed by the new state budget, the **University of California** Board of Regents voted July 19 to eliminate merit pay increases for faculty and staff this fiscal year. The action means no UC employees will receive cost-of-living or merit increases through June 1992. The last time there was no cost-of-living increase at UC was 1982. This is the first across-the-board freeze on merits.

■ The **Ohio State University** Board of Trustees has adopted a budget totaling $1.23 billion for the 1991-92 fiscal year. The budget provides for a pay raise averaging 3.5 percent for faculty, staff and graduate students, with faculty pay raises to be based exclusively on merit. Staff increases will be a combination of 2 percent across-the-board and an average of 1.5 percent for merit.

■ As the smoke from this summer's budget battles in Springfield finally clears, **University of Illinois** units on the Urbana Campus are preparing for a new academic year with budgets reduced by as much as 1.3 percent from fiscal year 1991. University officials said departmental budgets had to be trimmed to make up a $7.8 million shortfall in the state's appropriation to the University.

■ While no one has mentioned mid-year cuts yet, the odds are not exactly promising at the **University of Arizona** which is on a roll of five straight years of mid-year cuts.

Focus on Diversity

Events scheduled for Puerto Rican Awareness Week

The Puerto Rican Student Association has scheduled a series of presentations for the Third Annual Puerto Rican Awareness Week Nov. 18 to 22.

"Our main goal this year is to focus on the general public and reach out to the local schools with information about Hispanics/Latinos regarding education, heritage, history, culture, sports, music and dance," Enid Lorenzo, Puerto Rican Student Association president, said.

Students organizations such as the Latino Caucus, Latin American Student Association and the Society of Hispanic Engineers have collaborated for the presentations.

Daily activities will include:

– Monday, Nov. 18, lecture titled, "Cultural Diversity," by Angel Resto, Bronx Community College of City University of New York modern language department professor, noon, HUB Fishbowl.

At 1 p.m. in the same location, Carmen A. Lopez Alvarez, a Spanish department graduate student, will make a presentation titled, "History of Puerto Rico."

– Tuesday, Nov. 19, the Puerto Rican arts, crafts and book fair exhibit, titled, "Discovery of P.R.," will be displayed until Friday, Nov. 22, beginning at 9 a.m. in the HUB and Bookstore.

At noon in the HUB Fishbowl, Jose "Chegui" Torres, of the American Sportscaster Association, New York, will make a presentation titled, "Historical and Political Conflicts."

At 1 p.m., HUB Gallery, Ramon Torres, singer and composer, will make performance titled, "Decimas, Dedication to Chegui."

– Wednesday, Nov. 20, noon, a presentation titled, "Migration of Puerto Ricans in Pennsylvania," by Andres Morales and John Stinson of El Taller Puertorriqueno of Philadelphia, will be held in the HUB Assembly Room.

– Thursday, Nov. 21, at noon, A lecture titled, "Pennsylvania Hispanic/ Latino Perspective," by Lillian Escobar Haskins, of the Governor's Commission on Latino Affairs. The event will be held in the HUB Fishbowl.

– Friday, Nov. 22, a lecture titled, "Tracing Your Roots," by William Sanchez, director and producer, is scheduled for 11 a.m. in the Paul Robeson Cultural Center. The program will be followed by live entertainment at noon.

At 9 p.m., a "Puerto Rican Fiesta," with performances by Latin band "Latin Rhythm" will be held at the State College V.F.W.

Diversity Opportunities Calendar

Thursday, Nov. 14
Center for Minority Staff Development, 3:30 to 5:30 p.m., 319 Rider Building. Human Resource Development Center workshop titled, "Coping Strategies for Working in a Predominately White Environment," by Vicki Fong. Admission is free.

American Association of University Women, 7:30 p.m., State College Women's Club. General meeting. For more information, contact Ellen Walker at 865- 1974.

Department of Psychology and the Equal Opportunity Planning Committee, 8 p.m., 101 Kern Building. Lecture titled, "Child Development in Non-traditional Families: Implications of a Lesbian Baby Boom," by Charlotte Patterson, University of Virginia associate professor of psychology.

Monday, Nov. 18
Kern Graduate Commons and Office of Union Programs and Operations 9 a.m. to 4 p.m., Kern Building lobby. The 18th Annual International Artifacts Exhibition and Sale. Exhibition showcases more than 350 hand made toys, jewelry, and baskets.

Wednesday, Nov. 20
Center for Women Students, noon to 1 p.m., 120 Boucke Building. Brown Bag Lunch Series discussion titled, "Correlations Between Societal Attitudes, Sport Culture and Violence Against Women," by Carol Graybeal, Exercise and Sport Science graduate student.

Office of the Vice Provost and Undergraduate Education, 1 to 3 p.m., 312-314 Keller Conference Center. Videoconference titled, "Diversity in Higher Education: Can We Meet the Challenge?" The activity is produced by *Black Issues in Higher Education* magazine. For more information, contact the Instructional Development Program at 863- 2599.

Thursday, Nov. 21
Center for the Study of Child and Adolescent Development, 4 to 5 p.m., 101 Agricultural Sciences and Industries Building. Lecture titled, "Psychological Processes of African-American Males: Character Formation in a Hostile Environment," by Margaret Beale Spencer, Emory University, associate professor. For more information, call 863-7594.

Ford Foundation grants minority awards

Two individuals in the Eberly College of Science's Department of Molecular and Cell Biology have received minority awards from the Ford Foundation.

Sydney G. Edwards, a third- year doctoral student in biochemistry, is one of 55 students nationwide awarded a three-year fellowship through the Ford Foundation Predoctoral and Dissertation Fellowships Program.

Mildred Rodriguez, a postdoctoral fellow, is one of 25 individuals throughout the nation awarded a fellowship from the Ford Foundation Postdoctoral Fellowships for Minorities Program.

According to the Ford Foundation, the two programs, which are administered by the National Research Council, support scholars "in achieving their full potential and in attaining greater recognition in their respective fields."

Mr. Edwards, a Braddock scholar, works in the laboratory of Dr. Kenneth Johnson, Paul Berg professor of biochemistry. He currently is researching the mechanism of how DNA replicating enzymes minimize the frequency of mutations.

After graduating from the University of California, Berkeley, in 1988 with a bachelor's degree in biochemistry, he worked at the Center for Advanced Materials in Lawrence Berkeley Laboratories for a year before coming to Penn State in 1989.

Dr. Rodriguez, who has a degree in zoology in comparative endocrinology and physiology, is interested in becoming more specialized in reproductive physiology and would like to obtain some expertise in molecular biology techniques while at Penn State.

She earned her bachelor's degree at the University of Puerto Rico, her master's degree at Western Michigan University, and her doctoral degree at the University of Rhode Island.

Obituary

Edward Eyre Hunt, professor emeritus of anthropology, died Sept. 30 at the age of 69.

During World War II he was a staff sergeant in the U.S. Army-Air Force, doing research on aviation physiology. An accomplished musician, he played trumpet and guitar in jazz bands. After the war, Dr. Hunt traveled to Yap, a tiny island in the Pacific where he lived and worked with the Micronesians, learned Yapese and wrote his doctoral thesis on demography.

Prior to joining the University faculty in 1969, he taught at Harvard University and at the City University of New York Graduate Center. He retired from Penn State in 1985.

Dr. Hunt was an originator of the field of medical anthropology. His research interests included evolutionary and adaptive aspects of human growth and development; body composition; dental and skeletal morphogenesis, and demography and population genetics of non- western human societies and nonhuman primates.

Video conference set

A videoconference titled "Diversity in Higher Education: Can We Meet the Challenge?" will be presented from 1 to 3 p.m. Wednesday, Nov. 20, in 312-314 Keller Conference Center at University Park. Discussion and refreshments will follow.

The videoconference will examine three distinct environments on today's campuses; clarify the issues that divide, and offer concrete strategies for resolving conflicts. It is produced by Black Issues in Higher Education and is being sponsored by the offices of Vice Provosts James B. Stewart and C. Gregory Knight.

To register for the program, contact the Instructional Development Program at 863-2599.

WPSX-TV program

Alice Paul was a pioneer of the women's rights movement. Her militant tactics were instrumental in winning the right to vote. She also wrote the equal rights amendment and pushed for its passage until her death in 1977 at age 92. Yet, Alice Paul is a woman the history books often forget.

Alice Paul: Crusader for Equality, airing at noon Sunday, Nov. 17, on WPSX-TV, Channel 3, looks at this remarkable woman's life and examines why her goal of complete equality for women has yet to become a reality. Included are interviews with today's leaders in the women's movement such as Molly Yard and Eleanor Smeal, and those representing the anti-Era forces such as Phyllis Schlafly.

First Continuing Education forum set

The first Continuing Education Scholars Forum will be presented at 3:30 p.m. Tuesday, Nov. 19, in 502 Keller Conference Center at University Park.

The forum, sponsored by Continuing Education, is designed to encourage University faculty members involved in research in the continuing education field to share their findings with colleagues.

Michael G. Moore, associate professor of adult education and director of the American Center for the Study of Distance Education, will open the first forum with a lecture on the practice and potential of distance education.

He will review the status of distance education as a teaching-learning method and as an organizational structure and will discuss the method's future in continuing and higher education. In addition, he will discuss the concept of distance education, its history and its international status.

Dr. Moore has specialized in the practice, study and teaching of distance education for adults for more than 20 years. Internationally recognized in the distance education field, he spent nine years at the British Open University, where he was involved in course design, learner support and instruction.

Shirley Hendrick, assistant dean for continuing education in the Smeal College of Business Administration, chaired the committee which planned the first forum.

For more information about Continuing Education Scholars Programs and/or to participate in future forums, contact Donna S. Queeney, director of research and external relations for Continuing Education, at 863-7752.

Michael G. Moore

'Roots' author visits

Author Alex Haley tapes a promotional spot for the IFC Dance Marathon during a visit to University Park on Thursday, Nov. 7. His speech in Schwab Auditorium was sponsored by Colloquy. (Photo: Greg Grieco)

Ethics is theme of conference

Ethics in the context of advising is the theme of the fall advising conference sponsored by the Division of Undergraduate Studies (DUS) from 1:15 p.m. Monday, Nov. 18, to 3 p.m. Tuesday, Nov. 19, at the Atherton Hilton in State College. University faculty and staff are invited to attend.

Three sessions will be of special interest to the University community: "The Beginnings of an Ethical Code for Academic Advisers" will be presented by **Linda Higginson**, senior DUS programs coordinator for the College of Health and Human Development, and **Eric White**, director, Division of Undergraduate Studies, from 3:30 to 5 p.m. Monday, Nov. 18.

"Ethics and Advising: The Faculty Perspective" will be discussed by **Scott Kretchmar**, professor of exercise and sport science; **Carl Mitcham**, director of the Science, Technology and Society (STS) Program and associate professor of philosophy and STS, and **Michael Santulli**, associate professor of philosophy at the Penn State Hazleton Campus, from 8:30 to 10 a.m. Tuesday, Nov. 19.

An "Advisers' Town Meeting: Ethics in the Context of Advising" will be led by **Ed Danis**, adviser in the Division of Undergraduate Studies, from 10:30 a.m. to noon on Tuesday.

For more information about the conference program, contact Jim Kelly, 304 Grange Building, 865- 7576.

Bioprocessing center gets grant

The Bioprocessing Resource Center (BRC) has received $600,000 from the Pennsylvania's Department of Commerce for fiscal year 1991. The Bioprocessing Resource Center is jointly supported by the Industrial Resource Center Program and the Ben Franklin Partnership and is in its fourth year of operation.

"We are pleased to be part of both the Industrial Resource Center Program and the Ben Franklin Partnership," **Jeff Davidson**, executive director, said. "With this funding, the BRC will develop new programs for Pennsylvania's biotechnology industry and continue custom, one-on-one projects for process and product improvements."

The BRC has become a resource for business and industry information in biotechnology and has also been instrumental in strengthening industry and university networks through the Pennsylvania Biotechnology Association, according to Mr. Davidson.

Technical advisers to the Resource Center provide a diversity of expertise for development of projects with industry. The recent addition of **Wayne Curtis** and **Al Carlson**, assistant professors of chemical engineering, increased the center's capabilities.

Plans for next year include continuation of biotechnology workshops with hands-on training in mammalian cell culture, fermentation methods separation and purification of biotechnology products and plant biotechnology methods. The BRC's Pilot Plant will continue to offer cell culture, fermentation and separation facilities to the biotechnology community.

In addition, the center will identify university resources that match company research needs.

Special assistant to president

The Office of the President invites nominations and applications for the position of special assistant to the president for the Office of Governmental Affairs.

Candidates should possess a bachelor's degree, or its equivalent, plus extensive knowledge of Penn State operations and have significant experience in governmental affairs at the state and/or federal level. Excellent oral, written, and interpersonal skills are essential for the successful accomplishment of the position's responsibilities.

The special assistant to the president for the Office of Governmental Affairs reports to the president of the University, and is responsible for all governmental liaison in Harrisburg, Washington, D.C., the greater Centre County community, and the communities in which all University campuses are located. The scope of activities includes monitoring and influencing all legislation affecting University appropriations, academic policy, and educational direction.

Initial applications should include a cover letter, a curriculum vita, and the names of three references. Applications and nominations should be submitted to: Mr. William W. Asbury, vice president for student services, ATTN: Sara Alterio, 206 Old Main, University Park, PA 16802.

Applicants for this position will be assured of consideration if material is received by Dec. 4, 1991. However, applicants will be considered until a successful candidate is selected.

Research

(Continued from Page 1)

the top ten -- Michigan, Wisconsin and Minnesota.

Penn State moved ahead of the University of Washington and the University of California-Los Angeles to enter the top ten.

Internal search conducted for associate dean

A search and screening committee to identify internal candidates for the position of associate dean for undergraduate education has been appointed by C. Gregory Knight, vice provost and dean for undergraduate education. Jerry B. Covert, who has been associate dean for undergraduate education since 1986, has announced that he has accepted the position of dean of science management and technologies at Edinboro University of Pennsylvania.

Nancy Cline, dean of University Libraries, will chair the committee. Members include Shannon Burke, undergraduate student; Diane Enerson, director of the Instructional Development Program; Peter Jurs, professor of chemistry; Donald Leslie, associate dean for resident instruction, College of Arts and Architecture, E.R. Melander, associate vice provost; John Romano, campus executive officer, Penn State York; Marie Secor, associate professor of English. Gloria Briggs, assistant to the vice provost, personnel and administrative services will serve as staff.

The associate dean for undergraduate education assists the vice provost and dean for undergraduate education in providing University-wide leadership to advance excellence in undergraduate education. The associate dean will participate in the development and monitoring of University-wide undergraduate programs and curricular initiatives, including General Education, Writing-Across-the-Curriculum, and Cultural Diversity.

The successful candidate must demonstrate an ability to communicate and work effectively with faculty and administrators throughout the University; become an integral member of the administrative community responsible for undergraduate education, and have a commitment to cultural diversity. The minimum qualification for this academic administrator position requires a rank of associate professor of associate librarian at Penn State. Preference will be given to a tenured faculty member.

The position is available Jan. 2, 1992. Nominations or applications must be received by Dec. 14. A letter of application, a full curriculum vita, a statement of accomplishments in and commitment to undergraduate education, and arrangement for three letters of reference should be sent to: Chair, Search and Screening Committee, 421 Old Main, Box IC, University Park, PA 16802.

Psychometrician is being sought

The Office of University Testing Services is seeking an applied psychometrician to design, promote, implement, and direct a University-wide computer-based assessment system for measuring student learning and academic performance. In addition to this primary responsibility, it is expected that the individual will pursue a line of research in the field of educational measurement.

The individual filling the position should have a strong background and broad experience in the theory and methods of educational assessment, particularly applications of item response theory. Additionally, the individual should have experience with a variety of computer-based testing applications and environments. Expertise in database and statistical computing packages also is required.

The position, which carries the title of research associate, requires a doctoral degree in measurement, statistics, or a related field, and appropriate experience.

Please send a letter of application, along with a resume and names and addresses of three references, to: Gloria D. Briggs, assistant to the vice president, personnel and administrative services, Penn State University, 421 Old Main, Box I, University Park.

Closing date for applications is Nov. 29, or until a candidate has been selected.

News in Brief

Speaker series
Charlotte Patterson, associate professor of psychology at the University of Virginia, will speak on "Child Development in Nontraditional Families: Implications of a Lesbian Baby Boom" at 8 tonight, in 101 Kern Building.

This series is supported by funding from the Department of Psychology and the Equal Opportunity Planning Commission.

Dr. Patterson's talk has been co-sponsored by the Center for Women Students, Women's Studies, and the Center for the Study of Child and Adolescent Development.

Child care publication
A *Penn State Guide of Registered Family Day Care Providers* is a newly compiled listing of community home-based providers. Family-type care provides an option of child care in small groups.

A newsletter, *P.S.U. Parent*, is being distributed to any interested parent. To request copies of the guide or newsletter, call Child Care Program Services at 865-5886.

Diversity course proposal
The Instructional Development Program will hold a workshop for faculty interested in developing new courses, redesigning existing courses, or piloting a course for a semester on cultural diversity, Nov. 15 from 2-4 p.m. in 401 Grange Building. To register call 863-2599.

Writing-intensive seminar
The Instructional Development Program is sponsoring a seminar Nov. 19, from 10 a.m. to noon in 401 Grange Building on developing writing-intensive assignments and activities. Interested faculty should call 863-2599 to register.

Colloquium on at-risk youth
Emory University faculty member Margaret Beale Spencer will present a colloquium on "Psychological Processes of African-American Males: Character Formation in a Hostile Environment" at 4 p.m. Thursday, Nov. 21, in 101 Agricultural Sciences and Industries Building at University Park.

This is the second in a series of four colloquia focusing on "Against the Odds: Promotion Resiliency in At-Risk Youth," sponsored by a Penn State project called Policy, Research, and Intervention for Development in Early Adolescence, or PRIDE.

PRIDE, based in the College of Health and Human Development and funded by the Carnegie Corporation of New York, is designed to address issues facing youths ages 10 to 15.

EOPC Proposals Due
Proposals for Equal Opportunity Planning Committee funding are due Dec. 12 for programs being planned for the 1992-93 academic year.

The EOPC has formed a new funding category that focuses on requests for lesbian women, gay men and bisexual orientation education programs. Proposals for that category are due Jan. 31, 1992.

For more information, contact the Office of the Vice Provost at 863-7696.

Women's Alliance brunch
The Women's Alliance is organizing a brunch and discussion with artists and artisans from the community and the University Park Campus at 9 a.m. Saturday, Nov. 23, at the Autoport, 1459 S. Atherton, State College.

To register, contact Sharon Luck at 865-3342 before Monday, Nov. 18.

The Women's Alliance is a town-and-gown organization that provides opportunities for women to meet on a regular basis for discussion, networking and advocacy activities that expand knowledge, improve skills and enhance careers. Membership is open to women from the Centre Region and University communities.

Educatinnal Office Personnel
The Penn State Chapter of Educational Office Personnel will hold a special informational meeting on the Penn State Federal Credit Union at noon, Wednesday, Nov. 27, in 256 Hammond Building (Stavely Room) at University Park.

FSEOP is a professional organization dedicated to increasing the level of professionalism of the University's office personnel through continuing development.

Information on membership, which is open to office personnel classified as faculty, staff, staff nonexempt, clerical, and technical service; is available from Jenny King, 222 Boucke Building, University Park, PA 16802, telephone (814) 865-7681. Membership is not required to attend program meetings.

PENNTAP receives Ben Franklin grant

The Ben Franklin Partnership board of directors has approved $250,000 to support PENNTAP, The Pennsylvania Technical Assistance Program, a collaborative effort between the Pennsylvania Department of Commerce and Penn State to provide technical assistance to the state's industries.

PENNTAP has regional technical specialists who work with companies to define problems and locate the appropriate information or resources to help improve their competitiveness. Technical specialists also are located at University Park to respond to company questions, provide expertise and access national, international and federal government technical information, including results of relevant research and technology developments.

Acting Secretary of Commerce Andrew T. Greenberg said, "PENNTAP has been a long-standing part of Pennsylvania's technology assistance programs, and this $250,000 in state funding will support its expansion and ensure its ability to work even more closely with our Industrial Resource Centers and Ben Franklin Technology Centers."

Awards

Honors bestowed on faculty for teaching and service

The College of Health and Human Development has honored two faculty members for teaching and for service to students.

Patricia Barthalow Koch

Patricia Barthalow Koch, associate professor of health education, is the 1991 recipient of the Dorothy Jones Barnes Teaching Award, which rewards excellence in teaching and contributions to the art of teaching. It is supported by an endowment from Dorothy Jones Barnes, a 1944 Penn State graduate in home economics, and her husband, William T. Barnes.

Wesley A. Olsen, associate professor of exercise and sport science at the Penn State Ogontz Campus, is the 1991 recipient of the Evelyn R. Saubel Faculty Award, which recognizes a faculty member who students value as an adviser and who shows a commitment to human service. The award is named for Ms. Saubel, a 1935 Penn State graduate in home economics and longtime assistant to the dean in the former Colleges of Home Economics and Human Development.

Dr. Koch is professor-in-charge of her department's undergraduate program and teaches nine different courses in health education. She incorporates diversity of gender, race, ethnicity and sexual orientation into her classes, and teaches the training course for students who volunteer to be peer educators in the Sexual Health Awareness Resource Program.

Her teaching has extended beyond Penn State to developing educational programs on health, development, and sexuality for hospitals, schools, and community agencies in the United States and Canada, and for the American Academy of Pediatrics. She also mentors students and organizes their attendance and involvement at professional conferences.

As an adviser, teacher, administrator and golf team coach, Dr. Olsen has been a part of the Ogontz Campus for 27 years. He coordinates the exercise and sport science/health education programs at the campus, is the Health and Human Development representative for undergraduate students at Ogontz, and was the athletic director for 23 years.

In 1990 he received the Outstanding Adviser Award from the campus. Dr. Olsen, who students affectionately refer to as "Doc" or "Coach," also works at fund-raising to support student scholarships through an annual alumni golf tournament.

Beyond the University, he is active with the Red Cross as an instructor for safety programs, with the Boy Scouts as a counselor, with the American Heart Association, and as director of the Roslyn American Legion baseball program. He also has helped raise funds and organize the Second Mile summer "challenge camp" for at-risk children.

Wesley A. Olsen

Two cited for outstanding research in Health and Human Development

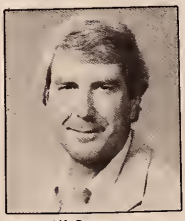
Michael H. Green and **Sherry L. Willis,** have received the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award, sponsored by the College of Health and Human Development and its alumni society.

Dr. Green, associate professor of nutrition science, uses mathematical modeling to study the metabolism of vitamin A and other nutrients. His approach has produced results that have challenged several previously held assumptions about nutrient metabolism, and has been adopted by researchers at other institutions.

He has been a Fulbright Research Scholar at the University of Oslo in Norway and a visiting scientist at the University of Pennsylvania and the National Cancer Institute.

Dr. Willis, professor of human development, studies how intellectual skills change with age. Drawing on a background in educational psychology, she also develops and evaluates training programs to help older adults compensate for age-related declines. Her current research focuses on everyday cognition — how older adults solve the practical problems of everyday living, such as understanding the instructions on prescription labels.

She holds Fellow status in two divisions of the American Psychological Association and in the Gerontological Society of America.



Michael H. Green

Sherry L. Willis

The Pattishall Award honors College of Health and Human Development faculty members for outstanding research contributions occurring or culminating within the past several years. It was endowed by Evan G. Pattishall, dean emeritus of the former College of Human Development, and his wife, Helen, who earned a bachelor's degree from the college.

Graduate named "Emerging Professional"

Christine J. Lewis, chief of the Experimental Clinical Research section of the Food and Drug Administration, has received the 1991 Emerging Professional Award from the College of Health and Human Development.

The annual award, co-sponsored by the college and its alumni society, recognizes graduates of the previous six years who have shown professional excellence and/or exemplary community involvement in health and human development professions.

A registered dietitian, Dr. Lewis received a master's degree in 1977 and doctorate in 1986, both in nutrition from Penn State. She holds a bachelor's degree in biology from the University of Connecticut.

She supervises 11 professionals in the Experimental Clinical Research section. The section's responsibilities include nutrition monitoring, nutrition labeling, estimation of dietary exposure to food additives, dietary survey methodologies, and evaluation of diet/health relationships.

Dr. Lewis drafted the FDA's proposal to revise the U.S. Recommended Daily Allowances used in food labeling and has provided support for other food labeling regulations. She has received three awards from the FDA: two for her work in estimating human intake of substances (such as lead and pesticides) in the food supply, and one for her advances in nutrition labeling.

Focus on the arts

The arts on Channel 3

Dance in America's decade-long collaboration with the Paul Taylor Dance Company continues with an innovative television production of Taylor's recent dance masterpiece, "Speaking in Tongues" airing at 10 p.m. Thursday, Nov. 14, on *Great Performances*.

Depicting life in an eerie, fundamentalist religious community, Mr. Taylor says that the dance's semi-abstract narrative is "about redemption and spiritual values." This exploration of the duality of human nature is visually expressed by dancers portraying the light and dark sides of prototypical characters.

Doris Day: A Sentimental Journey, airing at 9 p.m. Saturday, Nov. 16, examines the career and personal life of one of America's most celebrated stage and screen performers. Doris Day tells her own fascinating story through an in-depth interview, edited into sharp, entertaining clips.

Featured authors

On Friday, Nov. 15, the Penn State Bookstore on campus will host **Gerald Lang**, author of *The Horse, Photographic Images, 1839 to the Present*, from noon to 2 p.m., and **Linda C. Feltman**, author of *Bed and Breakfast and Unique Inns of Pennsylvania*, from 3 to 5 p.m.

Mr. Lang, associate professor in the School of Visual Arts, co-authored The Horse with Lee Marks, a photography art dealer and consultant. A thought-provoking introductory essay: "People and Horses: An Enduring Relationship" is contributed by cultural anthropologist Elizabeth Atwood Lawrence, professor of environmental studies at Tufts University School of Veterinary Medicine.

The Horse is the first book to trace the image of the horse from the earliest daguerreotypes and salt prints to contemporary photographs created with the aid of computers. Authors Lang and Marks contribute an essay exploring the development of photography and how it has affected the portrayal of the horse. Detailed commentaries on the plates and a selected bibliography supplement the photographs and add value to this work as a reference tool.

Ms. Feltman, a native of Chicago, received her associate degree in business marketing from the College of DuPage and her B.A. from Penn State's School of Communications. An active member of the Pennsylvania Travel Council's Bed and Breakfast Division, she has written numerous articles for state and regional magazines and writes a weekly column in the *Keystone Gazette* on Pennsylvania's bed and breakfasts.

Bed and Breakfast and Unique Inns of Pennsylvania is the most comprehensive single-volume guide to Pennsylvania inns yet published. A visual journey through the state, this is the only guidebook to Pennsylvania inns which is fully illustrated with professional color photography.

Children's Book Week

The Penn State bookstore on campus will observe National Children's Book Week through Nov. 17. Children's Book Week is an annual celebration which draws attention to the importance of books for children and the vital nature of literacy for all ages.

In honor of this annual celebration, the Penn State Bookstore is offering a 20% savings on all children's books. This includes a large selection of hardbound and paperback fiction and non-fiction, reference books, how-to books, books in several languages and about diverse cultures.

Architecture lecture

Botond Bognar, professor of architecture at the University of Illinois at Urbana-Champaign, will speak at 4 p.m. Monday, Nov. 18, in 112 Walker Building at University Park.

The lecture is sponsored by the College of Arts and Architecture and students in the Department of Architecture.

Choirs to perform

The Penn State Trombone Choir will perform in concert at 8 p.m. Monday, Nov. 18, in the School of Music Recital Hall at University Park.

The program will include music ranging from a Baroque organ work by Frescobaldi to a newly commissioned work by Ithaca School of Music composer, Paul Goldstaub. Dave Fulton, graduate trombone performance major, will conduct Allen Chase's "Passacaglia for 10 Trombones."

Bone-ology, the Trombone Jazz Choir formed in 1990 by graduate trombone performance major Howard Lamb, will perform the second half of the program.

Artifacts like these from around the world will be sold at the 18th Annual International Holiday Artifact Sale in Kern Lobby area Nov. 18-Dec. 6, Monday through Friday, 9 a.m. to 4 p.m.. Event is sponsored by Kern Graduate Commons, the Office of Union Programs and Operations.

Wind ensemble

A medley of tunes by Cole Porter, in celebration of the 100th year of his birth, and a work by Eastman composer Warren Benson, "The Leaves are Falling," will be the focus of a concert by the Penn State Symphonic Wind Ensemble, under the direction of Smith Toulson, at 8 p.m. Wednesday, Nov. 20, in the Recital Hall of the Music Building.

The Benson piece is inspired by a poem by the German poet Rilke, and combines atmospheric elements with the familiar chorale "Ein Fest Burg."

Also on the program will be Aaron Copland's "Fanfare for the Common Man," William Bergsma's "March with Trumpets," and Clifton Williams' "Caccia and Chorale." "The First Suite in Eb" by Gustav Holst, one of the earliest and most well known of pieces for band, will complete the program.

Mozart Orchestra

The Penn State Mozart Orchestra will perform in concert at 12:10 p.m. Thursday, Nov. 21, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include Haydn's Symphony No. 88 in G Major, written in 1786.

The 20-member orchestra, directed by Douglas Meyer of the School of Music faculty, consists of both music and non-music majors and performs works written for chamber orchestra.

Odyssey on WPSU

"Women who are claimed to be something like Amazons—women who dress like men, take up arms, and fight like men—become, functionally speaking, the males in the family," says Carol Clover on the next episode of Odyssey Through Literature, "A Women Between Two Worlds."

Ms. Clover, a professor of Scandinavian literature at the University of California at Berkeley, introduces host Leonard Rubinstein to the medieval Icelandic poem, "The Waking of Angantyr."

In this early Viking-age poem, a woman is forced to perform the functions of a male in order to continue the family tradition.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Pattee exhibit

The photographic exhibition, "Shadows, Souls, and Time II," by Wanda Greene is on display in Pattee Library's East Corridor Gallery through Nov. 30.

Of the exhibition, the artist comments,

See "Arts" on Page 10

University Park Calendar

November 14 - November 24

Special Events

Thursday, November 14
Concert, noon, first floor Kern lobby. Simple Gifts.
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Singing Lions
■ Talk, 4-5 p.m., Women's Studies Lounge, 12 Sparks. Elaine Brough, sr. extension entomologist, Dept. of Primary Industries, Queensland, Australia, on "Networking, Community Development and Rural Women in Australia."
Talk, 7 p.m., 101 Chambers. John F. Kippley, founder of the Couple to Couple League, on "Sex and Marriage."
Talk, 8 p.m., 101 Kern. Charlotte Patterson, Univ. of Va., on "Child Development in Nontraditional Families: Implications of a Lesbian Baby Boom."
Poetry reading, 8 p.m., Women's Studies Lounge, 12 Sparks. Robert Lima will read his poetry.
Donald W. Davis Lecture, 8 p.m., HUB Aud. Edwin Diamond, N.Y. magazine, on "Down and Dirty: Political Advertising 1960-1992."

Friday, November 15
Trustees meet, University Park.
Workshop, "How To Develop A Cultural Diversity Course Proposal," 2-4 p.m., 401 Grange. Register, 863-2599.
■ Talk, 3:30-4:30 p.m., 514 Ag Sciences and Industries. Elaine Brough, sr. extension entomologist, Dept. of Primary Industries, Queensland, Australia, on "Sustainable Agriculture: The Australian Experience."
Shaver's Creek, 7-8:30 p.m., Fireside Stories. Call 863-2000.
Univ. Readers, 8 p.m., Kern Aud. Anthony Ausiello's "Three Outs" and Scott Weiner's "Jimmy." Amy Berks, Holli Anne Conti will direct. Also Nov. 16.
■ Center for the Performing Arts, 8 p.m., Schwab Aud. Stamic Quartet of Prague.
School of Music, 8 p.m., Eisenhower Aud. Bandorama.

Saturday, November 16
Shaver's Creek, 2-3:30 p.m., Pods, Prickles and Parachutes. Call 863-2000.

Sunday, November 17
Shaver's Creek, 2-3:30 p.m., Snakes: Fact, Fiction and Folklore. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Invasion of the Body Snatchers (1956), 8:30 p.m., Last Year at Marienbad (1962), 108 Wartik. Free.

Monday, November 18
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Benedicte Monicat on "19th-Century Women Travel Writers."
School of Music, 8 p.m., Recital Hall. Penn State Trombone Choir.

Tuesday, November 19
Workshop, "How To Develop Writing-Intensive Assignments and Activities," 10 a.m.-noon, 401 Grange. Register, 863-2599.
Concert, 12:15 p.m., first floor Kern lobby. Trombone Chamber Music.
"HUB Personal Issues Series," workshop, 7 p.m., HUB Fishbowl. Jeff Caris on "Internship and Summer Job Search."
URTC, 8 p.m., The Playhouse. "What The Butler Saw," student preview. Also Nov. 20.
Cont. Ed. Scholars Forum, 3:30 p.m., 502 Keller.

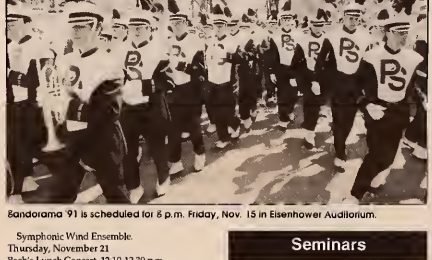
Wednesday, November 20
Videoconference, "Diversity in Higher Education: Can We Meet the Challenge?", 1-3 p.m., 312-314 Keller Conference Center. Discussion/Refreshments, 3-4 p.m. Register, 863-2599.
"HUB Personal Issues Series," workshop, 7 p.m., HUB Gallery Lounge. Mary Anne Knapp, Susan Van Benschoten on "Eating Disorders."
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Les Grands Ballets Canadiens in La Sylphide.
School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

Thursday, November 21
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Chamber Orchestra.
Talk, 7 p.m., 112 Kern. Alan Keyes, Alabama A&M Univ., on "The Truth About Abortion."
URTC, 8 p.m., The Playhouse. "What The Butler Saw," continues through Nov. 26.
■ Dept. of Spanish, Italian, Portuguese, 8 p.m., 112 Walker. Marvin A. Lewis, Univ. of Missouri, on "Blacks in the Discovery, Conquest, Exploration and Colonization of America: The Hispanic Perspective."

Friday, November 22
Concert, noon, first floor Kern lobby. Gordon Law and Friends.

Saturday, November 23
Shaver's Creek, 7-9 p.m., Owl Prowl. Call 863-2000.
School of Music, 8 p.m., Eisenhower Aud. Penn State University Choir.

Sunday, November 24
Shaver's Creek, 2-4 p.m., Bejeweled By Your Own Hands! Call 863-2000.



Bandorama 91 is scheduled for 8 p.m. Friday, Nov. 15 in Eisenhower Auditorium.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Conferences
Continuing Education
Keller Building
Nov. 18-19. Coal Cooperative Research. Alan Davis, chair; Jack Sinclair, coordinator.
Nov. 18-19. Construction Inspection Workshop. Charles Claar, chair; Jack Sinclair, coordinator.
Nov. 19 and 21. Pa. Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Seminars

Thursday, November 14
Biological Chemistry, 12:15 p.m., 55 Osmond. Tadhg Begley, Cornell, on "Light-Dependent Enzymes: Mechanistic Studies on a Novel Class of Biocatalysts."
Physics Colloquium, 3:30 p.m., 55 Osmond. R. Laughlin, Stanford, on "Implications of Fractional Charge in Physics."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Charles Canham, Cary Arboretum, on "Role of Competition vs. Herbivory in Tree Seedling Invasion of Old Fields."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Sandeep Bhatt, Yale Univ., on "Mapping Computations Onto Machines."
Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. James Hagberg, Univ. of Maryland at College Park, on "Effect of Exercise on Hypertension and Diabetes as Part of Syndrome X In Older Populations."

Friday, November 15
School of Forest Resources Seminar Series, 11:15 a.m., 124 Ag Eng. Charley Canham, Cary Arboretum, on "Spatially Explicit Dynamics in Forests: Causes and Consequences of Resource Heterogeneity." Refreshments 11 a.m.
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. John Brown, Oxford Univ., on "High Resolution Spectroscopy of Involatile Compounds in the Gas Phase."
Geog. Coffee Hour, 4 p.m., 319 Walker. Peter Jackson, Geog. Univ. College, London. Refreshments 3:30 p.m.

Tuesday, November 19
Polymer Science, 9 a.m., 301 Steidle. R.S. Stein, Univ. of Mass.-Amherst, on "Scattering Studies of the Morphology and Phase Transitions of Crystalline Polymers and Their Blends."
Plant Pathology, noon, 112 Buckhout. J. Tammen on "An Innovative System for Producing Pathogen-Indexed Lilies."
Biology, 4 p.m., 8 Mueller. William Taylor on "The Mechanism Of Radiation-Induced Cancer."
CAMP, 4 p.m., 339 Davey. James Maher, Univ. of Pittsburgh, on "Is There Universality in Transient Patterns?"

Wednesday, November 20
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam. Siva Nathan, Michigan State University, on "The Relationship Among Information Precision, Investor Beliefs and Security Prices."
Eng. Science and Mechanics, 3:35 p.m., 314 Hammond. Morton Oskard, Federal Highway Admin., Wash., D.C., on "Modelling of Car Crash Test Results."
CAMP, 4 p.m., 339 Davey. J. Lapujoulade, Saclay, on "The Growth of Cu on Cu(100): Diffusion, Nucleation and Annealing, A TEAS Study."

Thursday, November 21
Physics Colloquium, 3:30 p.m., 55 Osmond. Alan Bishop, Los Alamos National Lab., on "Disorder and Nonlinearity."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Callie Pickens on "Response of Red Oak and Maple Seedlings to Simulated Acid Precipitation, Browsing and Soil Acidification."
"Against the Odds: Promoting Resiliency in At-Risk Youth," colloquium, 4 p.m., 101 Ag Sciences and Industries. Margaret Beale Spencer on "Psychological Processes of African-American Males: Character Formation in a Hostile Environment."

Friday, November 22
CAMP, 11 a.m., 339 Davey. Roman Movshovich, AT&T Bell Labs., on "Squeezing Noise Fluctuations in the Vacuum."
EPF, 4 p.m., 339 Davey. James McCarthy, Brandeis Univ., on "BRST Analysis of Symmetry Structure in 2D (Superstrings."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Terry Miller, Ohio State Univ., on "Laser Spectroscopy of Chemical Intermediates and Their Complexes."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Ephraim Covere on "Agronomic Effectiveness of Non-Conventional Phosphate Fertilizers from Raw Phosphate Rock, Zimbabwe."
Geog. Coffee Hour, 4 p.m., 319 Walker. Richard Yahner on "Forest Fragmentation and Bird Communities in Central Pennsylvania." Refreshments 3:30 p.m.
■ Seminar Reception, 5-6:30 p.m., Fireside Room, Nittany Lion Inn. John Lucas on "Adventures in Albania." Tom Tait on "Olympic Solidarity at work in New Zealand." Coach Teri Jordan on "World Championships in Japan." R.S.V.P., Michele, 863-0353.

Exhibits

Chambers Gallery
Undergraduate Printmaking Exhibition, through Nov. 22.
Pattee Library
Lending Services Gallery:
Ann Vanderveldt, "The Art of Nature," through Nov. 29.

■ **Reflects an international perspective**

Faculty/Staff Alert

On Thursday, Nov. 21, the University will recognize the Great American Smokeout sponsored by the American Cancer Society.

According to **Nancy Sassano**, coordinator of faculty/staff health promotion programs, "the Smokeout is an annual event that allows smokers, ex-smokers and non-smokers alike to celebrate good health and support those who are trying to stop using tobacco."

Traditionally, the Smokeout is held to encourage tobacco users to quit for the day. According to the American Cancer Society, each year about 10 percent of the nation's smokers quit for the 24 hours.

"At Penn State, we have a fairly low rate of smoking among the staff and faculty," Ms. Sassano said. "However, we have a great number of people who previously smoked, but have quit. This year on Smokeout day, we want everyone to see and appreciate just how many co-workers around us have overcome this difficult habit. We encourage ex-smokers as well as smokers who quit for the day to proudly wear an "IQ" (I Quit) button Thursday, Nov. 21."

Interested "quitters" will be able to obtain IQ buttons at most University locations on Nov. 21. Many campuses have planned additional activities, including cold turkey lunch specials, adopt-a smoker campaigns, distribution of snacks and survival kits, and chances to win a cold turkey or other donated gifts.

At University Park, distribution tables will be located at Rider and Kern Buildings, the Hetzel Union Building, and the Old Main Mall on College Avenue. To obtain IQ buttons or Smokeout Information at other University locations, look for posters on campus, contact the campus health center or call the Faculty/Staff Health Promotion Office at (814) 865-3085.

Promotions

Staff Exempt

Darlene T. Schelper to clinical nurse educator at Hershey.

Clerical

Linda D. Fisher, to senior clerk in Student Services.
Brian C. Hoke, to senior accounting clerk at Hershey
Teresa A. Homan, to technical secretary B in Applied Research Lab.
Kay M. Homberger, to secretary B at Hershey.
Harriet C. Hostetter, to secretary A in College of Engineering.
Shauna L. Phillippy, to clerk, coding and abstracting at Hershey.
Annette M. Rice, to clerk, accounting A in Housing and Food Services.
Kimberly S. Rider, to technical secretary B in Applied Research Lab.
Laura V. Rinehart, to secretary B at Hershey.
Dianne D. Shaw, to secretary A at McKeesport Campus.
Anna Mary Smalley, to secretary A in Health and Human Development.
Michael B. Smith, to clerk A in Continuing Education.
Olivia J. Snyder, to secretary B at Hershey.
Linda D. Spangler, to secretary A in Liberal Arts.
Laura A. Petrie, to secretary B in Division of Development and University Relations.
Joane R. Stoneberg, to secretary B in Eberly College of Science.
Theresa L. Turner, to clerk A in Continuing Education.
Deeann L. Yetter to clerk A date input in Undergraduate Education.

Technical Service

Tok S. Askey, to dining hall worker A in Housing and Food Services.
Le Roy R. Beckwith, to driver/services attendant in Office of Business Services.
Ronald E. Burris, to plumber, fitter in Office of Physical Plant.
Barbara A. Dixon, to control processing aide at Hershey.
June L. Fritz, to patient care assistant A at Hershey.
David E. Grove, to residence hall preventative maintenance worker in Housing and Food Services.
Michael E. Huber, to receiving clerk at Hershey.
Georgia L. Kleinfelter, to environmental health worker, group leader at Hershey.
Diane L. Loy to escort service aide at Hershey.
Todd A. Masters, to maintenance worker, general B at Mont Alto Campus.
Barbara J. McCartney, to janitorial worker in Office of Physical Plant.
June M. O'Brien, to cook at Hershey.
Michael D. Reppert, to senior instrument processing aide at Hershey.
Barbara Ritter to patient service aide at Hershey.
Judith A. Schardt, to food preparer B in Housing and Food Services.
Sndrea E. Sharp, to patrol officer at Hershey.
Gary E. Sheesley, to incinerator operator at Hershey.
Sally A. Steele, to janitorial worker in Office of Physical Plant.
Marlin L. Stevens, to maintenance mechanic A at Hershey.
Rodney J. Strible, to building services attendant in College of Engineering.
John J. Swartz, to preventive maintenance worker in Office of Physical Plant.
Bruce J. Teeple to equipment operator in the Office of Physical Plant.
Thomas L. Walizer, to maintenance worker, general B at Mont Alto Campus.
Victoria M. Weston, to baker utility in Housing and Food Services.
Rose A. Wilson, to patient care assistant A at Hershey.
Timothy P. Zerby, to environmental system technician in Office of Physical Plant.

25-year award recipients

Observing 25 years of service at the University are George M. Green II, associate professor of pomology; Milton C. Hallberg, professor of agricultural economics; David L. Kantner, assistant to the Southeast regional director; Robert Nuss, Jr., professor of ornamental horticulture, all in the College of Agriculture, and Shirley A. King, procedures specialist in the Office of Human Resources.

Partings

Marlowe Froke to retire in December after 32 years service with University

Marlowe D. Froke

Marlowe D. Froke, general manager of the Division of Media and Learning Resources and WPSX-TV, director of the National Cable Television Center and Museum, and associate professor of journalism, will retire Dec. 31 after more than 32 years service.

He came to the University in 1959 as an assistant professor in the former School of Journalism and was promoted to associate professor in 1962. A member of a 1964 task force studying the feasibility of creating a public television station at the University, he helped establish the station in 1965 and served as its founding manager. The Division of Media and Learning Resources, which he directed, was established in 1970 to administer the University's other media activities, including Audio-Visual Services, Independent Learning, Materials Services and Photo/Graphics.

Mr. Froke also established Computer-Based Instructional Development in the Division of Media and Learning Resources and created Fred Waring's America and the U.S. Chorus to preserve the popular arts collection of the late Mr. Waring. With George J. Barco, Esq., of Meadville, he was co-founder of the National Cable Television Center and Museum established at University Park by the cable industry.

Mr. Froke's many awards include those from the American College Testing Program and the National University Continuing Education Association, the Outstanding Adult Educator Award from the Pennsylvania Association for Adult Continuing Education and the Merit Service Award from the Association for Continuing Higher Education (ACHE), as well as ACHE's 1991 Leadership Award.

He also is the recipient of the Penn State Wilkinson Award for Administrative Excellence, the Vice President's Award for Superior Leadership in Continuing Education, and the Pennsylvania Association of Broadcasters' Distinguished Service Award.

He and his wife, Marliene, will continue to live in the State College area. They have two daughters: Paula, news editor of the Detroit bureau for the Associated Press, and Dana, who works in the adult literacy program at Penn State's Beaver Campus. Both are Penn State graduates.

Six employees end service to Penn State

Willard D. Weber, maintenance worker utility, Office of the Physical Plant, from Dec. 3, 1973, until Jan. 1.

Walter W. Johnson, associate professor of forest products, Agriculture, from March 1, 1973, until Jan. 1.

Frances J. Confer, residence hall utility worker, Housing and Food Service, from Sept. 11, 1981, until Jan. 1.

Delores E. Harrington, secretary B, Undergraduate Education, from Sept. 27, 1978, until Dec. 1.

Dorothy S. Bennett, clerk A, Undergraduate Education, from May 19, 1975, until Jan. 1.

Sara J. Seby, accounting clerk, Commonwealth Educational System, from Feb. 12, 1979, until Sept. 1.

After 30-year career:

Business services director from Mont Alto ready for new challenges

Paul D. Schedler, who has retired as director of business services at the Penn State Mont Alto Campus, said he will miss his campus co-workers most of all.

"The thing I've enjoyed the most was working with the people," he said of his 30-year career with the University.

A native of Bloomfield, N.J., Mr. Schedler earned an associate degree from New York City Community College in June 1959 and a bachelor's degree from the University of Denver in June 1961, one month before he began his career with Penn State as supervisor of food service at the University Park Campus.

Two years later, he moved to the Mont Alto Campus as manager of housing and food service, responsible for operating three residence halls, supervising a staff of 17 full-time and 45 student employees and overseeing the dining commons. For the past 10 years, he has served as the director of business services, the campus' chief business officer.

Active in many areas in the community, Mr. Schedler has filled an unexpired term on Mont Alto Borough Council and chaired the property and sanitation committees. He also has served as a member of the Southern Franklin County Recycling Coalition, the Punt Commission on Business-Education Partnership and the personnel committee for the Drug Abuse Resistance Education Program.

Paul D. Schedler

"You grow up in the first 20 years, work for 40, and are retired for 20," he said. "I am making the change now because I want a change. I'm ready for new challenges."

Bookshelf

Steven Heine, assistant professor of religious studies, is the author of *A Dream Within A Dream: Studies in Japanese Thought*, published by Peter Lang Publishing Inc.

The book is a collection of his essays dealing with enlightenment in Zen Buddhism; the relations between religion and aesthetics in Japanese thought, and comparative studies of Japanese and Western philosophers.

The overriding theme is the concept of time and impermanence as portrayed in Japanese contemplative (philosophical and meditative) and folk religious traditions. The title refers to a phrase cited in Japanese poetry and thought concerning the double meaning of dream as illusion or as ultimate reality.

Dr. Heine also edited and partially translated *Masao Abe's A Study of Dogen: His Philosophy and Religion*, published by the State University of New York Press.

The work is a collection of essays by one of the foremost authorities on Japanese Buddhism about the teachings of the leading Zen philosopher, Dogen. It examines the doctrines of time and death; nonbeing and Buddha-nature; practice and realization in comparative light with other Buddhist thinkers, especially Shinran, and Western philosophers, including Heidegger.

John J. Cahir, professor of meteorology and associate dean of resident instruction, and **E. Willard Miller**, professor of geography and associate dean of resident instruction emeritus, College of Earth and Mineral Sciences, and S.K. Majumdar, Lafayette College, are co-editors of *Air Pollution: Environmental Issues and Health Effects*, published by the Pennsylvania Academy of Science.

The volume considers such aspects of air pollution as modeling, human activities, ecological effects, material damage, indoor pollution, laws and regulations, public health and a number of case studies.

Other University faculty contributing to the volume are: **Dennis Lamb** and **William H. Brune**, Department of Meteorology; **James P. Kasting** and **Robert F. Schmalz**, Department of Geosciences; **Brent Yarnal** and **Andrew C. Comrie**, Department of Geography; **John M. Skelly**, Department of Plant Pathology; **E. Lynn Miller**, Department of Landscape Architecture; **August H. Simonsen** and **George Tseo**, Department of Environmental Sciences, and **Bryan R. Swistock**, **William E. Sharpe**, **David R. DeWalle** and **James A. Lynch**, School of Forest Resources.

Gary L. Lilien, distinguished research professor of management science, is coeditor of *Excellence in Management Science Practice*.

Published by Prentice Hall, the work is an annotated collection of articles previously published in *Interfaces*, a journal edited by Dr. Lilien from 1982 to 1988. The book is meant to balance technical and managerial aspects of business model building and implementation and is aimed at students and instructors in management science.

Dr. Lilien, research director of the Institute for the Study of Business Markets, collaborated on the book with Arjang A. Assad of the University of Maryland and Edward A. Wasil of the American University.

Focus on the arts

Continued from Page 6

"This medium captures the essence of beauty within Native American life and the interaction with the environment."

Ms. Greene, a Native American from Oklahoma, graduated from the Institute of American Indian Arts in Sante Fe, N.M., and is attending the University of Oklahoma in Norman. Her work has been included in a number of traveling exhibitions organized by the Institute of American Indian Arts Museum and exhibitions organized by the University of Oklahoma.

"Shadows, Souls and Time," her first one-woman show, was originally exhibited in 1986 at the Institute of American Indian Arts Museum.

University Readers

University Readers will perform two winners of the Katey Lehman award at 8 p.m. Friday and Saturday, Nov. 15 and 16, in Kern Auditorium at University Park.

The performance, co-sponsored by Kern Graduate Commons, will honor Anthony Ausiello's "Three Outs" and Scott Weiner's "Jimmy," two winners of the 1991 award. The stories will be directed by Amy Berks and Holli Anne Conti.

University Readers employs the storytelling skills of the oral tradition to perform works of literature verbatim. Like radio drama, the focus is on the audience's imagination, with some gestures, costume and lighting for support.

URTC production

The University Resident Theatre Company will present "What the Butler Saw," a comedy by Joe Orton, in the Pavilion Theatre at University Park. The show opens Thursday, Nov. 21, and will run through Tuesday, Nov. 26, with matinee performances Saturday, Nov. 23, and Sunday, Nov. 24.

In "What the Butler Saw," Dr. Prentice attempts to seduce a young job candidate in the office of his psychiatric hospital. His wife arrives home unexpectedly and he attempts to cover his tracks. But Mrs. Prentice has been followed home by a bellhop with whom she had been intimate. To further complicate the situation is a government official convinced of the doctor's insanity.

Dominick Scudera directs the performance, in partial fulfillment of the master of fine arts degree in theater.

Student preview tickets are $3.50 for Tuesday, Nov. 19, and Wednesday, Nov. 20. Tickets are $7 and $4.50 for weeknights and matinees; $8 and $5.50 for weekend performances. Tickets are on sale at the Eisenhower Auditorium Ticket Center.

University choir

The Penn State University Choir will present its fall concert at 8 p.m. Saturday, Nov. 23, in Eisenhower Auditorium at University Park.

The concert will feature "Processional and Prayer of the Emperor of China on the Altar of Heaven," by Ron Nelson. The piece has a wind, brass, mallet and keyboard instrumental accompaniment that includes extensive periods of improvisation.

The University Choir, directed by Daniel Dauner, of the School of Music faculty, and Anthony Leach, assistant director, will perform selections by Najera, Berger, Shaw and Thompson and arrangements of traditional Christmas carols.

The University Choir Chamber Ensemble, directed by Mr. Dauner, and the Penn State Concert Choir, directed by D. Douglas Miller of the School of Music faculty, also will perform. Members of the University Brass, Percussion Ensemble and Mozart Orchestra will assist in the concert.

Holiday artifact sale

The Kern Graduate Commons, Office of Union Programs and Operations will hold its 18th Annual International Holiday Artifact Sale in Kern Lobby area Nov. 18 through Dec. 6, Monday through Friday, 9 a.m. to 4 p.m.

Artifact from 19 countries will be represented this year. Among a few of those countries represented are: Bangladesh, Bolivia, Columbia, Ecuador, El Salvador, Haiti, Honduras, West Bank, Kenya, Mexico, Phillippines.

Arts at...

Altoona Campus

The Pittsburgh International Folk Theatre, featuring a program of scintillating folk dance and song, will perform at the Penn State Altoona Campus at 8 p.m. Tuesday, Nov. 19.

Their performance is presented in brilliant national costumes, and their magnificent display of virtuosity whirls through two hours of endless variety and vitality.

The performance begins at 8 p.m. in the Paul R. and Margery Wolf Kuhn Theatre. Call (814) 949-5120 for ticket information.

Behrend College

Salsamba, a jazz quintet from Pittsburgh, will appear at Penn State-Behrend at 8 p.m. Tuesday, Nov. 19, in Reed Lecture Hall.

Salsamba's music, composed of guitar, saxophone, flute, bass, conga drums, and timbales, is an improvisational mix of many genres.

New Kensington

The Penn State New Kensington Campus will revive a popular Alle-Kiski tradition on Friday, Nov. 22, when it holds a mini-version of its annual Ethnic Festival.

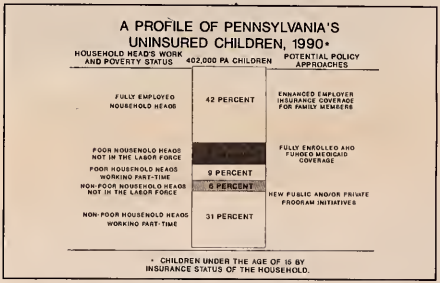
The Ethnic Mini-Festival will take place from 4 to 10 p.m. at the campus and will feature a variety of ethnic foods from local churches and ethnic groups, demonstrations of ethnic art and craft design, information on various ethnic heritages, and entertainment by several local groups, including the Pittsburgh International Folk Theatre.

For information about the Penn State New Kensington Ethnic Mini-Festival, call (412) 339-5400.

Intercom
November 14, 1991

Focus on Research

Demographers' research reveals lack of health coverage for children



One in seven Pennsylvania children age 15 years and younger lives in a household without health insurance, according to two Penn State demographers.

"This represents a total of 402,000 Pennsylvania children without health insurance," notes **Gretchen T. Cornwell**, assistant professor of rural sociology. "This corresponds to the percentage of uninsured children nationwide."

"Children from poverty households are those most likely to be uninsured," says **Gordon F. DeJong**, professor of sociology and director of the University's graduate program in demography.

Twenty-four percent of children from households below the poverty line — $12,675 for a family of four — have no health insurance.

Drs. Cornwell and DeJong, in conjunction with the Pennsylvania State Data Center at Penn State Harrisburg, recently produced the study, *"Health Insurance Coverage of Pennsylvania Children."* A third co-author was **Lynne M. Casper**, graduate student in sociology.

Their findings reveal that 16 percent of children in female-headed households and 19 percent of children in Philadelphia metropolitan area households have no health insurance.

"A profile of Pennsylvania's uninsured children shows that 42 percent lived in households where the head is fully employed," says Dr. Cornwell, a research associate with the University's Population Issues Research Center.

"Expansion of employer-based insurance coverage of family members is a strategy commonly discussed for furnishing health insurance for these children."

Four out of 10 of Pennsylvania's uninsured children live in households where the head is employed only part-time.

"For these children, new public and or private programs will be needed to provide insured health care," Dr. Cornwell says.

Eighteen percent of Pennsylvania's uninsured children live in households in which the household head has no work. Fully funding and expanding the Medicaid program is a strategy to cover these children.

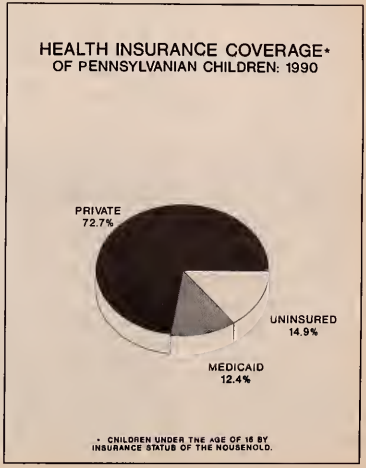
The National Governors Association has proposed that the federal government, state governments and the private insurance industry develop joint health care programs that target low-income, uninsured individuals and households.

"The dilemma of the uninsured, especially uninsured children, has become a crisis," says Dr. DeJong, senior scientist with the Population Issues Research Center.

"Today's children are the workers of the early decades of the 21st century — decades when the massive baby boom generation will begin to retire and draw heavily on state medical and social support services. Funding for these services is closely connected to the productivity of the state's labor force."

"The social contract between generations for health care goes both ways — to dependent youth and to dependent elderly," Dr. Cornwell adds.

The findings by the Penn State researchers are based on data from the Current Population Survey, a national survey of households conducted regularly by the U.S. Bureau of the Census. The Pennsylvania households included 1,518 children under the age of 15. -- **Paul A. Blaum**



Staff Vacancies

The following vacancies for positions classified as staff (exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLDYMENT DIVISIDN, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted **until 5 p.m., Thursday, November 21.** DD NDT CDNTACT **THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■ **01948, Assistant to the Slide Curator, Arts and Architecture, Department of Art History, University Park Campus** — Assist the slide curator in overseeing the entire operation of the Slide Library, the Lord Library, Academic Working Collection, and the Photograph Collection. Provide a variety of services for Art History faculty, graduate students, and other university departments and the community, to include lending, circulation, reference service and user orientation and instruction. Requires bachelor's degree in art history; M.A preferred. Previous work experience essential if applicant has bachelor's degree only STAFF GRADE 4.

■ **01949, Production Services Manager, University Arts Service, Center for the Performing Arts, Urlversity Park Campus** — Responsible to the manager of operations, Center for the Performing Arts, for providing technical expertise in the design and implementation of lighting and sound systems required for events, for the execution of scheduling of production crew personnel; for assisting in the process of equipment replacement and new equipment purchasing for the Center. Requires bachelor's degree, or equivalent, in technical theatre, plus one to two years of effective experience. This is a fixed-term position funded through June 30, 1992, with good possibility of re-funding. STAFF GRADE 5

■ **01950, Assistant Supervisor, Stone Valley Recreation Area, Auxiliary Recreation Services, Stone Valley Recreation Area** —Responsible to the supervisor, Stone Valley, for assisting in the coordination of staffing, scheduling, maintenance and operation of auxiliary services at the Stone Valley Recreation Area. Requires bachelor's degree, or equivalent, preferably in recreation and parks with an option in park administration, plus up to one year of effective experience in waterfront operations. Employee must possess certification as a Red Cross Sailing Instructor, and in water safety and first aid, or be willing to complete training within six months on the job. This is a fixed-term position funded through June 30, 1992, with probability of re-funding. STAFF GRADE 4

■ **01951, Financial Aid Coordinator—Data Validation, Undergraduate Education, Student Aid, Urlversity Park Campus** — Responsible to the director of operations and quality assurance for the administration of integrated verification activities of the office, for counseling students on student aid matters, and for assisting in the internal administration and operation of all student aid programs. Requires bachelor's degree in student personnel services, public administration, business administration, or other related fields, plus up to one year of effective experience. Excellent interpersonal and communication skills required. STAFF GRADE 6.

■ **01952, Admissions Counselor II, Undergraduate Education, Undergraduate Admissions Dffice, University Park Campus** — Responsible to the director, Division of Admissions Services and Management, for general assistance in handling the more complex admissions matters in an assigned functional area. Participate in and administer admissions activities as assigned. This could include freshmen, advanced standing, transfer, readmission, and baccalaureate or associate degree candidates for the University. Requires bachelor's degree, or equivalent, plus one to two years effective experience in educational administration or in related field. STAFF GRADE 6.

■ **01953, Applications Programmer/Analyst, Undergraduate Education, Undergraduate Admissions Dffice, University Park Campus** — Responsible to the systems planning specialist for conducting analyses, program design, coding, testing, and other related tasks. Work with users to identify applications problems; prepare logical problem statements, and formulate and program solutions, conducting necessary user training. Requires bachelor's degree, or equivalent, in computer science or a related field plus one to two years of effective experience. Microcomputer experience required. STAFF GRADE 6.

■ **01954, Supervisor, Maintenance and Operations, Business Services, Dgontz Campus** — Responsible to the director of business services for the operation and maintenance of the Dgontz Campus Physical Plant, including planning, supervision, purchasing budget control, employment, training, performance review, recommendations for alterations and improvements, and liaison with contractors engaged in new construction and alterations. Requires bachelor's degree in mechanical or electrical engineering, or equivalent outside study or training. Over two years up to and including four years of effective experience in power or heating plant operation, electrical work, or construction, including supervision of employees STAFF GRADE 7.

■ **01955, Director of Business Services, CES, Beaver Campus** — Responsible to the campus executive officer for the control and supervision of business services and operations, including: overseeing and coordinating the operation, construction, alteration, repair and maintenance of campus buildings and grounds; coordination of human resources matters and programs; operation of certain auxiliary enterprises; safety and security. Requires bachelor's degree, or equivalent, in business administration or related area, plus four to five years of effective experience in physical plant management, purchasing, human resources management, accounting, budget planning as well as supervisory experience. STAFF GRADE 8.

■ **01956, Area Representative, Continuing Education, Delaware County Campus** — Responsible to assistant director of continuing education for providing the University function of Continuing Education in an assigned Continuing Education service area. Assume administrative responsibility for the functions of development, marketing, organization and administration of programs and services; directing faculty in educational procedures along with proper fiscal management related to program operations. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry or education. STAFF GRADE 7.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **November 21**

■ **10031, Quality Assurance Analyst, Department of Quality Assurance** — Responsible to the manager, Quality Assurance/Risk Management, for providing guidance, direction and support in setting up quality assurance activities for assigned area as well as the analysis of obtained data. Requires a bachelor's degree or equivalency in an allied health area such as medical technology, pharmacy, respiratory therapy or nursing plus over one and up to and including 2 years of effective experience. STAFF EXEMPT 6.

■ **10059, Patient Account Assistant, Department of Urlversity Physicians Professional Billing** — Responsible to the supervisor, University Physicians Professional Billing, for the analysis of aged patient accounts to assure that generated professional charges are correct and accurate, as well as providing counseling to patients with delinquent physician accounts and advising of options available. Requires an associate degree or equivalency in business administration plus 1-2 years of effective experience. STAFF NDNEXEMPT, GRADE 4

■ **10037, Programmer Analyst, Department of Information Systems** — Responsible to the manager, Information Systems, for the analysis of how data processing can be applied to specific user problems for the design of effective data processing solutions and for the development of effective, efficient and well documented programs. Requires a bachelor's degree in computer science or equivalent plus 1-2 years of effective experience. STAFF GRADE 6.

■ **10047, Clinical Nurse Educator, Department of Nursing** — Responsible to the assistant director of nursing, Nursing Education, for the design, implementation, and evaluation of orientation, basic and advanced education programs and specialized courses for all levels of nursing personnel. Requires a master's degree in nursing plus 1-2 years of effective clinical experience in area of expertise; and current licensure by Pennsylvania State Board of Nursing. Certification in specialty areas is desirable. Current experience in critical care and/or medical-surgical nursing is preferred. STAFF EXEMPT, GRADE 7.

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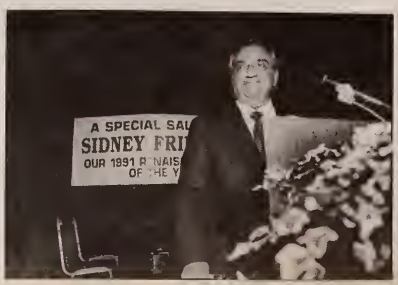


Renaissance Fund honoree

Sidney Friedman, well known State College community leader and businessman, was honored Wednesday, Nov. 13, as the 1991 Renaissance Man of the Year. The event honoring Mr. Friedman raised a record amount of nearly $90,000 for the Renaissance Scholarship Fund. (Photo: Greg Grieco)

Enrollment at University Park reaches all-time high of 38,911

Fall 1991 enrollment at the University Park Campus has reached an all-time high of 38,911, compared to 38,779 in fall 1990, the University Board of Trustees has learned. This marks the seventh year in a row enrollments have increased at University Park.

"We are pleased that Penn State remains an attractive choice for a quality education to students in Pennsylvania and around the nation," John Brighton, executive vice president and provost of the University, said.

The increase is 132, or 0.3 percent over the fall 1990 figure of 38,779. Within the University Park figure, undergraduate students totaled 32,397, and graduate students totaled 6,514.

Overall student enrollment at all campuses totaled 70,597 for fall 1991, compared to 70,978 in fall 1990. While there are slightly fewer undergraduate and non-degree graduate students University-wide, there is growth in the number of associate degree, upper-division baccalaureate, degree graduate, and medical students.

"This year's change follows our highest enrollment year ever in 1990," Dr. Brighton noted. "The significant decline in high school graduates in Pennsylvania during the past several years may finally be catching up with our bold growth."

"To keep things in perspective," he added, "new enrollment figures are still, by a large margin, the second highest in the institution's 136-year history."

The number of high school graduates in Pennsylvania has declined from 142,800 in 1987 to 124,800 in 1991. Despite that decline in the available pool of potential students, total student enrollment at Penn State has grown steadily from 67,278 to 70,597 since 1987.

The University's Hershey Medical

See Enrollment on Page 3

Final designs for Research Park Phase 1 are approved

A comprehensive marketing plan and final designs for Phase I of Penn State's Research Park have been approved by RPMCO, the Research Park Management Corporation, the Board of Trustees learned at its meeting Nov. 15 at University Park.

Gary C. Schultz, assistant vice president for finance and operations, and William C. Morlok, president of Morlok Development Group, which is developing Phase I of the Research Park, reported on these new developments to a joint session of the Board of Trustees committees on physical plant and finance.

The marketing plan identifies four priorities: to increase awareness of the Research Park; to involve faculty in promoting the Research Park; to engage a developer to construct a multi-tenant building with leased space for small- to medium-sized tenants, and to implement sales strategies to attract anchor and other tenants.

RPMCO is working closely with the Governor's Response Team and Office of International Programs in the Department of Commerce as well as with the Centre County Industrial Development Corporation on marketing efforts and yesterday approved a policy that will allow real estate brokers to refer prospects to the park.

A slide sales presentation on Penn State's Research Park has been developed and a promotional video will be available within a few months. "The Penn State Research Park Marketing Plan lays out the actions for an aggressive, targeted marketing program," Mr. Schultz said.

On the development side, Mr. Morlok announced that early site- work on Phase I of the Research Park is scheduled to begin early this winter with completion slated for fall of 1993.

"Final design plans approved by the RPMCO emphasize land planning that will create a campus, a community, rather than a collection of individual buildings," he said. "The landscape and building designs are inspired by the Penn State campus and the agrarian nature of the region."

The entrance to Phase I and the main entrance to the entire Research Park will be a continuation of Park Avenue Extension at the junction of the 322 bypass. Hedgerows will separate phases of the development, and brick buildings in Phase I will be linked by pedestrian ways with natural topography and berms to screen and diminish the visual impact of parking. More than 30 percent of the entire Research Park site will be set aside for open space.

Phase I will consist of:

-- a 51,000 square-foot, single story Penn State research laboratory building;

-- a two-story, condominium technology center to house the Centre County Industrial Development Corporation's 24,000 square-foot business incubator and 29,000 square feet of space for Penn State economic development offices; and

-- a five story hotel/conference center with a 97,000 square-foot, 150-room hotel and a 144,000 square-foot conference center with facilities for continuing education classes as well as for traditional banquets and meetings.

Site approval and infrastructure plans for Phase I are already well under way. On March 14, College Township approved the preliminary site development plan, and the Pennsylvania Department of Transportation has completed design of the access road to the Research Park. PennDOT has committed $2.6 million for its construction. Bids for the project were received Nov. 7 and construction is expected to begin in early 1992.

In addition, Morlok Development Group has recently engaged the firm of Lehrer McGovern Bovis to be construction managers for Phase I. The firm, with offices in Philadelphia and mid-Atlantic headquarters in Princeton, N.J., is one of the largest construction management firms in the country with projects including Euro-Disney, the refurbishment of the Statue of Liberty, General Foods headquarters, and a variety of lab and hotel projects.

Morlok also has selected Scanticon, developers of the executive conference center in the Princeton Forrestal Center, to operate the new hotel/conference center.

Focus on Diversity

Minority enrollment increases to an all-time high

Minority enrollment at the University has increased again for the 1991-92 school year to an all-time high of 5,273, an increase of 5.9 percent. There are 296 more minority students attending the University this fall over the fall of 1990.

African American enrollments in particular, as well as figures for American Indian, Asian/Pacific Islander and Hispanic, all showed increases this year.

"An indication of Penn State's success in attracting African American students is that the number of African American high school graduates continues to decline in the Commonwealth of Pennsylvania," John Brighton, executive vice president and provost of the University, said. "Despite that significant decline in potential students, the enrollment of African American students at Penn State has increased by 42.5 percent since 1982.

"Among the 122 four-year institutions in Pennsylvania, Penn State is the second most popular choice for African Americans to attend college. Only Temple University enrolls more African Americans."

Minorities represent 7.5 percent of Penn State's 1991 total enrollment of 70,597 students. A breakdown of fall 1991 minority student enrollment by categories shows: American Indian: 111, compared to 100 in 1990; Asian/Pacific Islander: 2,009, compared to 1,770 in 1990; Black/African American: 2,261, compared to 2,248 in 1990; Hispanic: 892, compared to 859 in 1990.

"There is a need for more African Americans and all minorities to participate in Pennsylvania's diverse higher education opportunities," Dr. Brighton said. "Penn State has made a long term commitment to play a key role in those opportunities."

In the past two years Penn State has awarded degrees – associate, baccalaureate, master's, doctoral and first-professional – to 762 African Americans.

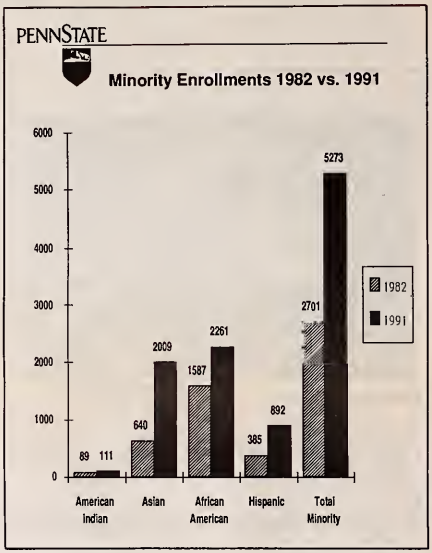
The number of African American first- time freshmen increased by more than 22 percent this fall, or 63 students, and for the sixth consecutive year the number of African American graduate students has increased, from 256 in 1990 to 291 in 1991.

"There is good news across the board concerning Penn State enrollment and graduation of African Americans," Dr. Brighton noted. "We remain concerned that the raw number of African Americans participating in higher education in the Commonwealth is much lower than it should be.

"However, within the overall commitment by all institutions, Penn State remains at the forefront of the progress that is being made."

In addition to the scores of programs in place at Penn State to attract, retain and graduate minorities, the University has developed in recent years a number of educational partnerships with school districts around Pennsylvania.

"Minorities must receive high school degrees in larger numbers, not smaller numbers, if we are going to succeed at boosting their participation at the college level," Dr. Brighton said.



Diversity Opportunities Calendar

Friday, Nov. 22
Puerto Rican Student Association, 11 a.m., Paul Robeson Cultural Center. Lecture titled, "Tracing Your Roots," by William Sanchez, producer and director. The presentation will be followed by live entertainment at noon and a program titled, "Food Tasting from the Island," at 1 p.m.

Men of Color, 5:30 p.m., Days Inn's Sly Fox Lounge. Monthly social.

Saturday, Nov. 23
Women's Alliance, 9 a.m. to noon, the Autoport, 1495 S. Atherton. Brunch meeting.

Tuesday, Nov. 26
Professional Women at Penn State, 11:45 a.m., Eisenhower Chapel Frizzell Room. Regular meeting.

Number of events and programs being presented

McKeesport Campus

Penn State McKeesport African American/Black American women students hosted a dinner on campus Nov. 17 to welcome Continuing Education Area Representative Lydia Lockhart to the campus.

Sophomore **Marcella Nixon**, a peer counselor in the Big Brothers/Big Sisters program at the McKeesport Campus, chaired the event. **Barbara M. Hart**, administrative assistant to the campus executive officer, offered introductory remarks.

Focus of conversation following dinner addressed issues relevant to African American women students. Author Janet Singleton's *Sisters* served as the theme for discussion.

Women of Color

Central Pennsylvania Women of Color has announced plans for its annual Winter Ball 8 p.m. Friday, Dec. 6, in the Nittany Lion Inn.

Live music will be provided by rhythm and blues band "Code Blue." African, Hispanic and Native American ethnic dance demonstrations will be provided by Women of Color members in an effort to acquaint the "Town and Gown" community with dances from other cultures.

Tickets cost $12.50 for non-students and $10 for students. For more information, contact Carolyn Stewart at 237-7273 or Charlene Price-Holder at 863-4921. Tickets will not be available at the door.

The event is supported by Penn State's Equal Opportunity Planning Committee.

WPSX-TV programs

"Kennedy vs. Wallace: A Crisis Up Close" encoring at 10 p.m. Monday, Nov. 25, as part of the fourth season of *The American Experience* series on WPSX-TV, provides an unprecedented view of the Kennedy brothers – President John F. Kennedy and Robert Kennedy in 1963.

The original cinema verite film, produced by Robert Drew, was first seen on ABC in 1963. For *The American Experience*, it was updated to include interviews with former Assistant Attorney General Nicholas Katzenbach and Vivian Malone, one of the first Black students to attend the University.

As the second part of his continuing exploration of hatred, Bill Moyers visits with Nobel Laureate Elie Wiesel. *Moyers/Facing Hate with Elie Wiesel*, airing at 10 p.m. Wednesday, Nov. 27, features Mr. Wiesel talking about the terrifying experiences in Nazi Germany that launched his own long journey into the reality of hate.

Mr. Wiesel is a world-renowned journalist and a leading advocate of human rights. In 1986, he won the Nobel Peace Prize for his worldwide role in furthering social justice.

From the Trustee Docket

ARL Building

The Board of Trustees has approved final plans and authorized the University to obtain bids and award contracts for the ARL Building at University Park.

Construction of the $10-million applied research laboratory, designed by The Kling-Lindquist Partnership Inc. of Philadelphia, will be funded by a grant from the U.S. Navy. The ARL Building will be the first of the planned West Campus buildings to be constructed west of North Atherton Street.

The three-story, 71,000-square- foot structure will be located adjacent to Research Building West on part of the White Golf Course at the fifth and sixth holes, which will be modified and eventually relocated.

Projects to be housed in the new building include studies of marine composite materials; turbomachinery and instructional fluid dynamics; electro- optics; ocean acoustics and active vibration control; laser metrology; and dynamic response. The building also will include a 250-seat auditorium, conference rooms, a student study area, classroom space and a library.

Research growth

Research and graduate studies at the University have experienced dramatic growth in the last five years, Trustees have learned.

"Penn State has emerged as a major player in the arena of ideas, creativity and excellence in instruction," Charles Hosler Jr., senior vice president for research and dean of the graduate school, said.

"Students have available to them an intellectual environment that can imbue them with the dynamic reality of change and impress them with the necessity for intellectual growth through their entire lives."

Total research expenditures at Penn State have significantly expanded to $275.2 million in 1990-91 from $77.5 million in 1980-81.

Graduate enrollments totaled 10,299 in fall 1991, compared with 7,489 in fall 1981. Minority graduate enrollments also have grown to 688 in fall 1991 compared with 356 in fall 1982.

"All students benefit from a vibrant environment with faculty engaged in creative efforts, bustling laboratories and libraries," Dr. Hosler noted. "This happens best in a major research university."

In relation, undergraduate students gain from scholarly research through hands-on involvement with faculty and their work, according to Dr. Hosler. Faculty mentors will provide information that places students on the cutting edge of their fields.

"A static faculty administering a slowly evolving curriculum will be the dinosaurs of the 21st century," he added. "A large research university can support the tools of the future university with its highly skilled and specialized faculty."

Agricultural Sciences

In a move designed to reflect the broad nature of its programs and research, the name of the College of Agriculture will be modified to the College of Agricultural Sciences, Trustees have learned.

"Science is being used with increasing frequency in tandem with agriculture," President Thomas said. "This refinement in the name of the College acknowledges the important role science plays in agriculture and positions the College to respond to the new trends and challenges before it."

The expansion of the name to the College of Agricultural Sciences mirrors the unit's rich agricultural history and commitment to the land-grant university mission, while defining its expanding scientific importance in the world.

In the past, public perception of the College has centered on farming and livestock production. But today, innovative and complex areas such as genetic engineering and biotechnology, land use planning, forest resource management and environmental engineering are a large part of the college's focus.

"The new name of the College is part of a wide-ranging effort to improve public understanding of agriculture and the nature of our research and education programs," Lamartine F. Hood, dean of the College, said. "There is a broad and exciting array of careers based in the agricultural sciences."

Majors in the college include such programs as wildlife science, environmental resource management, food science and landscape contracting, as well as programs in the more familiar agricultural disciplines. The agricultural sciences encompass the production, processing, distribution, and marketing of food, feed and fiber and the management of natural resources.

Smeal College changes

The Board of Trustees has approved several changes in the organization of the Mary Jean and Frank P. Smeal College of Business Administration.

The changes, intended to enhance instruction and research through realignment of academic areas within and across departments, include:

– The transfer of management information systems faculty, previously in the Department of Accounting and Management Information Systems, to the Department of Management Science;

– The transfer of faculty specializing in business and society and in entrepreneurship to the Department of Management and Organization; and

– The allocation of the international business faculty, previously in the Department of Business Logistics, across the functional areas of business, beginning with the Departments of Finance and Management and Organization.

The changes are based on the recommendations of the Strategic Study Group on Smeal College Organization, which surveyed the business faculty and examined the organization of business schools at other universities. J.D. Hammond, dean of the Smeal College, and the University Faculty Senate have supported the implementation of the changes.

Degree changes

The doctor of education degree in music education will change to a doctor of philosophy degree in music education, the Board of Trustees has learned.

The new name had been approved by the Graduate Council on Oct. 16. It reflects both changes within the music education profession and the increased specialization of the School of Music, which now offers advanced scholarly study in music theory and musicology.

In addition, Trustees heard that options in architectural data systems, architectural systems and special studies were dropped within the architecture major in the College of Arts and Architecture.

With the recent restructuring of the curriculum, the option in architectural systems has become the new major in architecture without the previously included options. The architectural data systems and special studies option faced declining enrollments.

Financial report

The Board of Trustees has received a report on the University's 1990-91 audited financial statements.

Kenneth S. Babe, corporate controller said, "Total assets of the University as of June 30, 1991, were $2.6 billion, before depreciation."

Revenue received by the University in 1990-91 was $1.238 billion. This is a 157 percent increase over the $482 million received in 1980-81.

State allocations in 1990-91 accounted for 19.9 cents of every dollar, or 19.9 percent of total revenue, Mr. Babe explained. In 1980-81, state allocations comprised 27.7 cents of every dollar.

Tuition and fees now account for 26.1 percent of total income in 1990-91. In 1980-81, these accounted for 22.0 percent of total revenues.

The annual independent audit was performed by Deloitte and Touche. In addition, Mr. Babe said, the University's own internal auditing staff prepared 45 separate reports for the 1990-91 fiscal year.

Enrollment

(Continued from Page 1)

Center reported an increase of 9.5 percent with a total of 541 students, compared to 494 in fall 1990. Enrollment at Penn State Erie increased by 6.7 percent to 3,186 compared to 2,987 in fall 1990. Increases in enrollment also occurred at Penn State Harrisburg, Great Valley, and five of the Commonwealth Campuses: Allentown, Berks, Mont Alto, Ogontz, and York.

For the second consecutive year, the proportion of non-Pennsylvanian undergraduate students declined slightly to 11.8 percent, compared to 12.1 percent in 1990. Non-Pennsylvanian graduate students increased slightly to 33.8 percent compared to 33.1 percent in 1990.

By comparison, total university enrollment in 1965 was only 29,643 and even as recently as 1980 stood at only 61,608.

Obituaries

Clair J. Blazosky, mecbanical/electrical designer, Office of the Physical Plant, from June 1, 1949, until his retirement Feb. 1, 1985, died Oct. 31 at the age of 69.

Pearl E. McMullen, counter attendant, Housing and Food Services, from Aug. 18, 1959, until her retirement May 2, 1974, died Nov. 1, at the age of 80.

Evelyn M. Orwick, second cook- -main kitchen, Nittany Lion Inn, from March 20, 1958, until her retirement Aug 1, 1979, died Oct. 14 at the age of 83.

Eleanor A. Luckovicb, counter attendant, Housing and Food Services, from March 25, 1958, until her retirement April 15, 1972, died Oct. 30 at the age of 84.

Clendon E. Hollar, research aide, College of Agriculture, from July 1, 1961, until his retirement July 1, 1988, died Sept. 24. He was 65.

Dr. Thomas cites Libraries as a number one priority

Improvement of the University Libraries is a number one priority at Penn State, President Thomas told the Nov. 12 meeting of the University Faculty Senate.

In a forensic session on the libraries, Dr. Thomas said that for the last several years, the University Libraries were among Penn State's highest priority in its capital budget request to the Commonwealth.

"I have written letters to the governor and told him personally that the libraries are number one on our list," he said. "We have offered to seek private support and to match any funding the state provides in an effort to encourage the state to release funds for the addition to Pattee Library, a project which was approved in 1988."

Noting that the University faces a very serious financial situation, he asked the senators "to recognize the financial environment in which we're operating when addressing these problems.

"I stand ready to go to bat in any additional way I can. And I'd be happy to have suggestions from you as to how to address these problems."

At the formal Senate meeting, a report on research and graduate studies was presented by Charles L. Hosler, senior vice president for research and dean of the Graduate School.

Citing "dramatic growth" in the size and quality of research and graduate studies in the last five years, he said, "Penn State can assure its students that their mentors send them away with information that places them on the cutting edge of their fields."

In other business, the Senate:

-- Received the annual report of the National Collegiate Athletic Association Representative, John J. Coyle.

-- Received University Construction Status Reports.

-- Approved deletion of three policies from Academic Policies, Rules and Procedures for Students.

-- Approved adding an undergraduate student to the Senate Committee on Research.

-- Received a report on the University Scholars Program.

Libraries campaign

The University Libraries has launched an educational campaign, "No Food/No Drink/No Noise," to increase awareness of the food, drink, and noise problems in the Libraries.

Food residues and drink spills attract bugs that feed on the paper, fabric, and glue that compose most library materials. Of equal concern to library users is the noise level. The use of the Libraries by more and more study groups disrupts quiet study areas and hinders efforts to provide an environment conducive to research and study.

As part of the "No Food/No Drink/No Noise" campaign, posters with book-eating creatures and other eye-catching images are on display at all libraries at University Park.

Noise level check

Students in the acoustics class of Gary Koopmann, director of the Center for Acoustics and Vibration, measure sound levels of aircraft landing at the University Park Airport on Friday, Nov. 15. They were particularly interested in measuring the noise created by the Notre Dame football team charter jet which was the largest to ever land at the airport. (Photo: Greg Grieco)

Fayette Campus

The Penn State Fayette Campus has been connected to PENNARAMA, bringing the number of University locations connected to the system to 10.

The connections provide 24 hours telecommunications services at no cost to the University through a project begun in the mid- 1970s to develop a statewide telecommunications systems through cable television.

The cable industry, through what is now called the Pennsylvania Cable Network, is providing funds for the connections. The system is being developed on interactive television with two-way communications possible.

News in Brief

Outstanding Alumni Lecture
Leonard Pasquini will discuss "Nuclear Engineering Careers in the 1990s" as the Department of Nuclear Engineering 1991 Outstanding Alumni Lecturer at 4 p.m. today, in 204 Sackett Building at University Park.

Mr. Pasquini, president and general manager of UNC Analytical Services, Inc., was recognized in August as an outstanding New Mexican business leader by the *New Mexico Business Journal*. UNC Analytical Services, Inc., headquartered in Albuquerque, New Mexico, provides scientific and engineering technical support to the federal government in private industry in environmental and waste management; systems, safety and hazards analysis; total quality management.

Mr. Pasquini received a bachelor's degree in engineering mechanics and a master's in nuclear engineering from Penn State.

Professional Women
Dorothy Pelick, financial consultant, Pelick Financial Services, will speak on "Test Your Investment I-Q" at a meeting of Professional Women at Penn State at 11:45 a.m. Tuesday, Nov. 26, in the Frizzell Room of the Eisenhower Chapel at University Park.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

Distance education in Mexico
Visiting Fulbright Scholar Patricia Gonzalez- Flores, academic consultant from the Academic Computer Services, National Autonomous University of Mexico in Mexico City, Mexico, will give a lecture on "Distance Education in Mexico: An Alternative Method of International Exchange" at 3:30 p.m. Tuesday, Nov. 26, in the International Lounge, 222 Boucke Building, at University Park.

Science writers
Stanley Curtis, professor and head of the Department of Dairy and Animal Science, will lead a lunchtime roundtable sponsored by the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Wednesday, Nov. 27, in Room 313 Kern Building at University Park. He will lead a discussion of "Animal Welfare."

The Penn State Chapter of the National Association of Science Writers meets for lunch and discussion on the last Wednesday of each month during the academic year. The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

UTS final exam hours
The Fall Semester final exam period runs from Monday, Dec. 9, through Saturday, Dec. 14. UTS will be open to receive work from 8 a.m. to 5 p.m. on Monday through Friday.

On Saturday, Dec. 14, hours will be 9 a.m. until 1 p.m. Please submit recording rosters before finals, if possible. Recording rosters submitted during finals receive a lower work priority than jobs on answer sheets.

Social Work Program grant
The Social Work Program at Penn State has received a grant from the Center for Rural Pennsylvania to explore the "transfer of technology" in the human services from rural Britain to rural Pennsylvania.

The project, titled "Transferring Human Services Technology to Pennsylvania Rural Counties: The 'Patchwork' Model of Community-Oriented and Locality-Based Services," will be directed by Emilia E. Martinez-Brawley, professor of sociology. Sybil M. Delevan, assistant professor of public administration, will be project research associate.

Appointments

Richard D. Cupelli has been named acting campus executive officer at the Penn State Fayette Campus, it was announced by Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System.

Mr. Cupelli, who has served on the faculty at Penn State Fayette since 1977, will serve as acting CEO through July 1, 1992, or longer, if a permanent CEO has not been appointed by that time.

The acting CEO taught at Marshall University before joining the Fayette faculty. He is an active member of the Uniontown Rotary and the Izaac Walton League of America.

He received an MBA from Marshall University and his bachelor's degree from West Virginia University.

Dennis F. Brestensky, associate professor of English, has been named acting director of academic affairs at the Penn State Fayette Campus by Robert Dunham, senior vice president and dean of the Commonwealth Educational System.

Dr. Brestensky has directed a collaborative research project on coal mining literature, lore, oral history and culture, which has resulted, among other activities, in a book *Patch/Work Voices. The Culture and Lore of a Mining People.* In 1988, he compiled and edited an anthology of student poems about the mining culture, titled *Soul Under Siege.*

He was one of 15 faculty members selected nationwide to study at the Folger Shakespeare Library Summer Institute in 1990. He also coordinates the annual Fayette Campus Shakespeare Festival.

He has received several teaching awards, including the Christian R. and Mary F. Lindback Award for Distinguished Teaching in 1990. Fayette Campus students twice chose him as the outstanding teacher of the year.

His degrees are a B.A. from St. Joseph College, an M.A. from Duquesne University and a D.Ed. from West Virginia University.

Linda Enseki has been named Division of Undergraduate Studies coordinator at the Penn State DuBois Campus.

Ms. Enseki currently is advising/counseling assistant and supervises the work of the Academic Development Center (ADC) at the campus. She has been performing the duties of the DUS coordinator since the departure of John Patrick last August.

Ms. Enseki served as part-time coordinator of the ADC during the 1982-83. She returned to the DuBois staff in 1991 as the advising counseling specialist for the ADC under a federal Title III grant. She holds an M.A. in urban affairs from the University of Texas at Arlington and a B.A. in psychology from West Virginia University.

Prior to joining the DuBois staff, Ms. Enseki served as a drug and alcohol treatment specialist at the Gateway Clinic in DuBois; as a prevention specialist at the Clearfield-Jefferson Drug and Alcohol Commission, and as a social program planner with the Greater Fort Worth and Tarrant County Community Action Agency.

C. Ashear Barr has been named a underwriting coordinator for public television station WPSX- TV, Channel 3.

Ms. Barr formerly was employed by Penn-Del Directory and was with the company as an accountant executive since its creation in 1986. She is a Penn State graduate.

Karen L. Schultz has been appointed director of student information systems in the Office of the University Registrar.

She is responsible for the design and implementation of all computer and information systems for the Office of the University Registrar. She also is responsible for the management of the Division of Student Information Systems and for the analysis of information in support of enrollment management.

A 1973 graduate of Penn State with a B.S. degree in mathematics, she received her M.B.A. from the University in 1986.

She was a programmer/analyst for the Defense Communications Agency in Washington, D.C. from 1973 to 1979. She served in the Plans and Programs Division of the U.S. Marshals Service before joining the University staff in 1980.

As a senior systems analyst/project leader in the Department of Management and Systems Engineering, she performed systems analysis in support of departments reporting to the vice president for business and operations.

J. Paula A. Callery and **Joseph W. Reasy Jr.** have been appointed directors of development and university relations.

Ms. Callery will be responsible for coordinating regional development and university relations activities for Worthington Scranton, Wilkes-Barre and Hazleton campuses. Mr. Reasy will be responsible for coordinating regional development and university relations activities for the DuBois and Altoona campuses as well as informal coordination with University Park and the Williamsport area.

Ms. Callery currently is director of university relations at the Penn State Hazleton Campus and will continue in that position after assuming her regional responsibilities.

Before coming to Penn State, she served as director of broadcast funding at Howard University Public Television; director, Public Affairs Office for Science and Technology in the Carter Administration, as well as a lengthy tenure in government relations and public affairs with IBM Corp.

C. Ashear Barr

Spencer S. Lewis

Ms. Callery received a B.A. in liberal arts from Immaculata College and currently serves on the board of directors of the Hazleton YWCA and Northeast Pennsylvania Economic Development Council, and is a member of the Council for the Advancement and Support of Education (CASE), the National Society of Fund Raising Executives (NSFRE) and the League of Women Voters.

Mr. Reasy currently is director of university relations at the Penn State Altoona Campus and will continue in that position.

He has worked in university relations at the Altoona Campus for over 16 years and received a B.S. in parks and recreation from Penn State. He currently is secretary of the College and University Public Relations Association of Pennsylvania and co-chair of the 1991 annual professional conference. He is past-president of Big Brothers and Big Sisters of Blair County; a member of the speaker's bureau of the United Way of Blair County, and a member of the Altoona/Blair County Chamber of Commerce.

Spencer S. Lewis has been appointed assistant development officer in the College of Engineering.

Mr. Lewis previously served as the executive director of the State College American Cancer Society, Centre Unit, where he was in charge of educational programs, patient services and fund-raising activities. He received the American Cancer Society's Gold Award for raising a record $228,000 for the Centre Unit during fiscal year 1988- 89. He won the Society's Public Relations Award in 1990.

Prior to coming to State College in 1988, Mr. Lewis was production manager for Champion Forest Products, Silverstreet, S.C. He has a bachelor of science in business from Virginia Tech.

Partings

Marie Annetta, nutrition advisor, Agriculture, from June 2, 1980, until Oct. 1.

Ali Faradj-Bakht, instructor math and computer science at Penn State Harrisburg, from Sept. 1, 1981, until Oct. 1.

Alison E. Huber, bookstore manager at McKeesport Campus, from June 29, 1981, until Oct. 5.

Christine A. Whittington, sr. assistant librarian; head, arts library, University Libraries, from Oct. 19, 1979, until Nov. 1.

Genevieve M. Boal, food service worker, Housing and Food Services, from Sept. 16, 1977, until Jan. 1.

Lillian L. Duck, janitorial worker, Office of the Physical Plant, from May 15, 1978, until Jan. 1.

Dale M. Grimes, professor of electrical engineering, Engineering, from June 1, 1979, until Jan. 1.

Pauline F. Ponish, assistant manager of housing services, Housing and Food Services, from Nov. 14, 1974, until Jan. 1.

Jesse M. Snyder, service desk coordinator, Office of the Physical Plant, from March 25, 1971, until June 2, 1971, and from Dec. 11, 1974, until Jan. 1.

See more Partings on Page 13.

Focus on the arts

Writer-in-residence

Oksana Zabuzhko, Ukrainian poet, translator and philosophy scholar from Kiev in the Ukraine, will be writer-in-residence and Woskob Fellow in the Humanities in the Department of Slavic Languages for the 1992 spring semester.

Ms. Zabuzhko is the author of two books of poetry and the translator of Sylvia Plath into Ukrainian. In addition to poetry readings and campus lectures, she will be teaching two courses: "Introduction to Ukrainian Culture" and a tutorial "Readings in Ukrainian."

The Ukrainian culture course will be taught in English and will cover Ukrainian civilization and culture from the period of Kiev Rus to the present day, with special emphasis on recent changes in Ukrainian society.

The readings course will be in Ukrainian and will cover prose, poetry and articles from the contemporary Ukrainian press. Ms. Zabuzhko will be available for guest lectures at other universities and emigre Ukrainian organizations during her stay.

For more information, contact the Department of Slavic Languages at 865-1352.

The arts on Channel 3

"The Story of Anna Akhmatova," airing at 10 tonight on WPSX-TV, chronicles the epic life and struggles of the charismatic Russian poet who bore witness to the tumultuous events of Soviet history in the 20th century. Christopher Reeve narrates; Claire Bloom performs the voice of Akhmatova. The film includes striking contemporary historical footage of St. Petersburg.

Composer, singer and pianist — one of rock's first and foremost superstars — Elton John has written more than 200 songs, sold more than 100 million records worldwide, and is among the top ten most successful career artists on the Billboard chart. In an in-depth interview, Elton John will talk with David Frost for the third installment of this season's *Talking with David Frost* airing at 9 p.m. Friday, Nov. 22.

Jazz bands to perform

Inner Dimensions and Outer Dimensions, Penn State's second and third jazz bands, will perform in concert at 8 p.m. Monday, Nov. 24, in the School of Music Recital Hall at University Park.

Inner Dimensions, led by graduate trombone performance major Howard Lamb, will perform works by Bill Holman and Bob Florence and selections from the Buddy Rich orchestra and the Count Basie band.

Soloists for Inner Dimensions' performance will be Marty Bound, trumpet; Tim McKay and Robert Rizzo, trombone; Dale Flick, saxophone, and Robert Vareha, piano.

Outer Dimensions will perform music by Rich Matteson, Frank Mantooth, Phil Woods and others. The group is led by Paul Davis, who has 30 years' experience as a music educator. Dan Yoder, associate professor of music and director of jazz studies at Penn State, will perform as a soloist with Outer Dimensions.

The concert is open to the public.

Tony Lentz, assistant professor of speech communication, will present his twelfth one-man performance of Charles Dickens' A Christmas Carol at 8 p.m. Friday, Dec. 6, at the Nittany Lion Inn.

'Hansel and Gretel'

Take one nasty stepmother. Add two innocent children and a witch with a voracious appetite. Combine with a pinch of magic, big stretches of music, a chorus of dancing angels and witches, and you have the Penn State production of "Hansel and Gretel."

The Penn State Philharmonic, Opera Workshop and Dance Program will present a fully costumed and staged production of Engelbert Humperdinck's folk opera at 7 p.m. Tuesday, Nov. 26, in Eisenhower Auditorium at University Park.

Douglas Meyer is music director and conductor for the production and Richard Davis is stage director and production coordinator.

Hansel will be portrayed by Penn State sophomore Dawn Adams; Gretel by senior Juliette Leon. Christine Mullen is mother; Scott Frazier, father; Kathy Cox is the witch; Lillian Ramos is the sandman and Laurie Goldner, the dew fairy.

Russell Bloom will conduct a children's choir comprised of children from State College area churches. Pat Tanner is the choreographer.

Tickets are $7 for adults; $3.50 for students and children. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

'Sculptural Spaces'

"Sculptural Spaces," a rotating exhibition of sculptural environments by students in the School of Visual Arts, is on display through Wednesday, Nov. 27, in the Visual Arts Building at University Park.

The works address the human body in relation to form and space. Because of the scale of the works, the environments will be installed in a rotating manner, with new environments exhibited each week.

The exhibition, coordinated by Sallie McCorkle of the School of Visual Arts faculty, is free and open to the public.

'A Christmas Carol'

Tony Lentz, assistant professor of speech communication, will present his twelfth one-man performance of Charles Dickens' A Christmas Carol at 8 p.m. Friday, Dec. 6, at the Nittany Lion Inn's Fireside Lounge.

The University Readers and the Department of Speech Communication cosponsor the performance, a tradition at Penn State since Dr. Lentz joined the faculty in 1980.

Oral performances of good written stories, Dr. Lentz believes, are a way to promote literacy in a vidi-oral culture.

"We can meet the MTV generation at the level they understand through vocal and facial imagery," he said, "and get them to use their imaginations to create the story and characters. And we use the written literature's verbatim record to be true to the author's original creation."

Dr. Lentz's two-hour cutting of the story includes much of the Dickens' characteristic social criticism.

"Prof. Robert Lougy has said that Dickens' work endured due to the power of his criticism of society," Dr. Lentz said. "'A Christmas Carol' is an excellent example of the hard look Dickens took at child labor and other societal inequities.

"The story reminds us that, like Scrooge, we have an opportunity to make life better for ourselves and for others each and every day. The possibility for redeeming the human spirit is always before us, especially at Christmas time."

Radio book review

WPSU is offering a new, locally—produced show, "LIBRI, The Radio Book Review.

The half-hour show, which is being produced by Michael Svoboda and the staff at Svoboda's Books, airs at 6:30 p.m. Thursdays.

According to David Dzikowski, station manager, LIBRI will focus on new non-fiction books, university press titles in particular, of interest to the sophisticated curiosity.

"WPSU feels that LIBRI will make a fine addition to its Thursday evening schedule, providing a smooth transition from 'All Things Considered: The Evening Edition' to 'Fresh Air,' both nationally syndicated programs," he said.

University Park Calendar

November 21 -- December 8

Special Events

Thursday, November 21
Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Chamber Orchestra.
Talk, 7 p.m., 112 Kern. Alan Keyes, Alabama A&M Univ., on "The Truth About Abortion."
URTC, 8 p.m., The Playhouse. "What The Butler Saw," continues through Nov. 26.
■ Dept. of Spanish, Italian, Portuguese, 8 p.m., 112 Walker. Marvin A. Lewis, Univ. of Missouri, on "Blacks in the Discovery, Conquest, Exploration and Colonization of America: The Hispanic Perspective."
Friday, November 22
Concert, noon, first floor Kern lobby. Gordon Law and Friends.
Saturday, November 23
Shaver's Creek, 7-9 p.m., Owl Prowl. Call 863-2000.
School of Music, 8 p.m., Eisenhower Aud. Penn State University Choir.
Sunday, November 24
*International Student Council, Mediterranean Festival, 11 a.m.-5 p.m., HUB Ballroom.
Shaver's Creek, 2-4 p.m., Bejeweled By Your Own Hands! Call 863-2000
Monday, November 25
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Stuart MacDougall, Univ. of Michigan, on "Pound, Eisenstein and the Ideogram."
School of Music, 8 p.m., Recital Hall. Jazz II and III.
Tuesday, November 26
Professional Women at Penn State, Brown Bag lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Dorothy Pelick, Pelick Financial Services, on "Test Your Investment I-Q."
Concert, 12:15 p.m., first floor Kern lobby. Tuba Euphonium Chamber
School of Music, 7 p.m., Eisenhower Aud. Hansel and Gretel.
Wednesday, November 27
Brown Bag Lunchtime Roundtable Series, 11:45 a.m., 313 Kern. Stanley Curtis on "Animal Welfare."
Penn State Chapter of Educational Office Personnel, meeting, noon to 1 p.m., 256 Hammond, Stavely Room. Come and learn what the Penn State Federal Credit Union can do for you.
Thursday, November 28
Thanksgiving. No classes through Dec. 1.
Monday, December 2
Hanukkah begins.
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Susann Samples, Mount St. Mary's College, on "Report From Eastern Europe."
■ German, film, 8 p.m., 110 Wartik. Vor Sonnenaufgang.
Tuesday, December 3
Center for the Performing Arts, 8 p.m., Eisenhower Aud. A Christmas Carol.
School of Music, 8 p.m., Recital Hall. Centre Dimensions.
Wednesday, December 4
Center for Women Students, Brown Bag Lunch Series, film/discussion, noon-1 p.m., CWS Resource Room, 120 Boucke. "Identifiable Qualities: Toni Morrison."
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Jitro Czechoslovak, Girls' Choir.
School of Music, 8 p.m., Recital Hall. Student Composers' Concert.
Thursday, December 5
Bach's Lunch Concert, 12:10 p.m., Eisenhower Chapel. Voice of Students of Suzanne Roy.
School of Music, 7 p.m., HUB Ballroom. Penn State Symphonic Band. Also 8:30 p.m., Recital Hall. Christmas in Brass.
Friday, December 6
Classes end.
'A Christmas Carol,' Tony M. Lentz, 8 p.m., Nittany Lion Inn Fireside Room.
Central Pa. Women of Color, Winter Ball, 8 p.m., Nittany Lion Inn. Tickets, 237-7273, 863-4921.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. M. Butterfly.
School of Music, 8 p.m., Schwab Aud. Christmas Choral Concert.
Saturday, December 7
School of Visual Arts, open house, 9 a.m.-5 p.m., Chambers Gallery.
Shaver's Creek, 1-4 p.m., Wreath Making Workshop. Also Dec. 8. Call 863-2000.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Nov. 25. Pa. Council of the Arts in Education. Carrie Donmer, chair; Jerri Milsom, coordinator.

Seminars

Thursday, November 21
Physics Colloquium, 3:30 p.m., S5 Osmond. Alan Bishop, Los Alamos National Lab., on "Disorder and Nonlinearity."
Graduate Program in Ecology, 3:45 p.m., 8 Mueller. Callie Pickens on "Response of Red Oak and Maple Seedlings to Simulated Acid Precipitation, Browsing and Soil Acidification."
"Against the Odds: Promoting Resiliency in At-Risk Youth," colloquium, 4 p.m., 101 Ag Sciences and Industries. Margaret Beale Spencer on "Psychological Processes of African-American Males: Character Formation in a Hostile Environment."
Speech Communication Colloquium, 4:30-6 p.m., 217 Willard. Edward Schiappa, Purdue Univ., on "A Predisciplinary Analysis of Gorgias' Helen."
Friday, November 22
CAMP, 11 a.m., 339 Davey. Roman Movshovich, AT&T Bell Labs., on "Squeezing Noise Fluctuations in the Vacuum."
EPF, 4 p.m., 339 Davey. James McCarthy, Brandeis Univ., on "BRST Analysis of Symmetry Structure in 2D (Super)strings."
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Terry Miller, Ohio State Univ., on "Laser Spectroscopy of Chemical Intermediates and Their Complexes."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Ephraim Govere on "Agronomic Effectiveness of Non-Conventional Phosphate Fertilizers from Raw Phosphate Rock, Zimbabwe."
Geog. Coffee Hour, 4 p.m., 319 Walker. Richard Yahner on "Forest Fragmentation and Bird Communities in Central Pennsylvania."
Refreshments 3:30 p.m.
■ Seminar Reception, 5-6:30 p.m., Fireside Room, Nittany Lion Inn. John Lucas on "Adventures in Albania." Tom Tait on "Olympic Solidarity at work in New Zealand." Coach Teri Jordan on "World Championships in Japan." R.S.V.P., Michele, 863-0353.
Monday, November 25
EPF, 4 p.m., 339 Davey. Nathan Berkovits, SUNY, Stonybrook, on "The Green-Schwarz Superstring On An N=2 Super-Riemann Surface."
Tuesday, November 26
Plant Pathology, noon, 112 Buckhout. J. Travis on "Expert Systems in Plant Pathology."
Aerospace/Turbomachinery Center, 10:10-11 a.m., 108 Sackett. Pierre Bry, SNECMA, Inc., on "Current Progress in Turbine Aerodynamics and Heat Transfer at SNECMA (Societe Nationale D'Etude et de Construction de Moteurs D'Aviation—Paris, France)." Refreshments, 10 a.m., 233 Hammond. Also 2:30-3:20 p.m., 207 Sackett. Pierre Bry, SNECMA, Inc., on "Aerodynamic Shape Design in Turbomachinery." Refreshments, 2:15 p.m., 233 Hammond.
Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Aud. Themis Matsoukas on "Flame-Generated Oxide Particles." Refreshments, 2:30 p.m.
Chemistry Colloquium, 3:30 p.m., S5 Osmond. David Eisenberg, UCLA, on "Three Dimensional Profiles and Protein Structures."
Graduate Program in Nutrition, 4 p.m., 108 Tyson. David Hurt, National Livestock and Meat Board, on "Nutrition Science and Marketing Collide."
CAMP, 4 p.m., 339 Davey. Dr. Pakrovsky, Brookhaven Nat'l. Lab., on "Spin Reorientation Phase Transitions in Thin Magnetic Films."
Wednesday, November 27
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Kenneth Kuo on "Crack and Debond Properties in Solid Propellant Rocket Motors."
Monday, December 2
History Colloquium, 4 p.m., Memorial Lounge, Eisenhower Chapel. Robert N. Proctor on "What Causes Cancer? The Political History of Recent Debate." Refreshments, 3:30 p.m.
EPF, 4 p.m., 339 Davey. Y.M. Belyaev, Univ. of British Columbia, on "Parameter of K-meson Mixing and Nonabelian Anomaly."
Tuesday, December 3
Plant Pathology, noon, 112 Buckhout. James B. Anderson, Erindale College, Univ. of Toronto, Canada.
CAMP, 4 p.m., 339 Davey. Dan Cox, Ohio State Univ., on "Multichannel Kondo Models. Marginal Fermi Liquids, and Exotic Superconductivity."
Wednesday, December 4
Analytical Chemistry, 11:15 a.m., S5 Osmond. Tom Woloszyn on "Multielement Detection Using GC-Atomic Emission Spectroscopy." Refreshments, 11 a.m.
Chemical Engineering, 2:45 p.m., Biotechnology Institute, Wartik Lab. Michael L. Shuler, Cornell Univ., on "Engineering Aspects of Producing Chemicals from Plant Cell Cultures." Refreshments, 2:30 p.m.
Thursday, December 5
Physics Colloquium, 3:30 p.m., S5 Osmond. Y.R. Shen, Univ. of Calif. at Berkeley, on "Surface Interfacial Studies by Nonlinear Optics."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Musheng Wei, East China Normal Univ., on "The Total Least Squares Problem With More Than One Solution: Solutions, Perturbation Analysis and Relations With The Least Squares Problem."
Friday, December 6
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Nese Sari on "Rotational Diffusion and Molecular Shape."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Craig Anthony on "Application of a Geographic Information System to and Agronomic Research Facility."
Geog. Coffee Hour, 4 p.m., 319 Walker. Nadia Van Miller, United Nations Committee on Global Change, on "Sounds Like Morning, But Heated Up On A Large Scale." Refreshments, 3:30 p.m.

Exhibits

Chambers Gallery
Undergraduate Printmaking Exhibition, through Nov. 22.
Kern Galleries
■ 18th Annual International Artifacts Exhibition and Sale, Mon.-Fri., 9 a.m. to 4 p.m., through Dec. 6.
Palmer Museum of Art and Zoller Gallery
Permanent Collection: From Floor to Ceiling, opens Dec. 1.
Pattee Library
Lending Services Gallery:
Ann Vanderwelde, "The Art of Nature," through Nov. 29.
East Corridor Gallery:
Wanda Greene, photographic exhibition, "Shadows, Souls, and Time II," through Nov. 30.
Zoller Gallery
School of Visual Arts Faculty exhibition, through Dec 5.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ Reflects an international perspective

Holiday Shopping Guide

Penn State goodies are perfect for giving

Penn State Press

The Penn State Press is offering a select list of titles to University faculty, staff and students at special prices during the holiday season to encourage you to give books for Christmas. A sampling of the books is listed below with their sale price.

The sale begins Monday, Dec. 2 and will end on Friday, Dec. 20.

Stop by the Press in Suite C, Barbara Bldg. (also known as the Incubator Bldg.), 820 N. University Drive between 8 a.m. and 5 p.m., including lunch hours for your convenience. There's plenty of parking available.

Our newest books available at 40 percent discount include:

Creating Characters With Charles Dickens, $15

Why Mona Lisa Smiles and Other Tales of Vasari, $14.10

Wordsworth's *"Slumber"* and *Problematics of Reading*, $18

Principles of Art History Writing, $18

Shakespearean Tragedy and Its Double, $16.50

Andrew Marvell and Edmund Waller, $27.50

Who is Black?: One Nation's Definition, cloth: $15, paper: $7.50

In the Shadow of the Rising Sun, $14.70

Social Movements, cloth: $21, paper: $9

Missing Socrates: Problems of Plato's Writings, $17

Seven Types of Adventure-Tale, $13.50

Broken Lights and Mended Lives, paper: $7.77

Spirits and Scientists, $18

Undeclared War, paper: $7.50

Exile and the Writer, $17.70

Intimations of Mortality, paper: $7.77

Afro-American Writing, paper: $8.70

Coming of Christianity to Anglo-Saxon England, paper: $9

Sir John Vanbrugh: The Playwright as Architect, $18

Rise and Fall of Democracy in Early America, $12

Feminist Interpretation and Political Theory, cloth: $21, paper: $7.77

Joseph Pulitzer II and the POST-DISPATCH, $18

Engendering Democracy, cloth: $17.10, paper: $8.37

Artists All: Creativity, the University, and the World, $14.10

Critical Issues in Social Theory, cloth: $27, paper: $8.97

Feminism Confronts Technology, cloth: $17.10, paper: $8.37

Origins of Federal Support for Higher Education, $18

Sanctification of Don Quixote: From Hidalgo to Priest, $21

For more information, please call the Penn State Press at 856-1327.

Independent Learning

Give the gift that's truly Penn State: knowledge. With a gift certificate from Penn State Independent Learning, you're offering the opportunity to choose from more than 300 credit and credit-free courses.

Stamp collecting, calligraphy, computers, plant cultivation, French and the history of Pennsylvania are among the courses available. Someone you know has a favorite subject, and you'll find it in the free Independent Learning catalog.

Faculty and staff and their eligible dependents receive tuition grants-in-aid (75 percent).

For more information, stop by the Independent Learning office on the second floor, Mitchell Bldg., or call 865-5403 and ask about "The Gift of Knowledge."

Kern Holiday Artifact Sale

The Kern Graduate Commons is holding its 18th Annual International Artifacts Sale through Friday, Dec. 6, 9 a.m. to 4 p.m. Monday to Friday, in Kern.

The sale features original handmade crafts, jewelry, children's toys, tapestries and baskets.

Some of the 19 countries represented are: Mexico, Kenya, Israel, India, Chile, El Salvador, and Indonesia.

The event is sponsored by the Kern Graduate Commons, Office of Union Programs and Operations.

Alumni Association

You don't even have to step off campus to shop for the special alumni and friends of Penn State on your list These gifts can be purchased at the Penn State Bookstore, located on all Penn State campuses, at the Alumni Association, 105 Old Main, or by calling 865-6516.

If a picture is worth a thousand words, then the For the Glory photo book must be worth millions. It makes an elegant coffee-table book any Penn Stater can be proud of. The photgraphs evoke nostalgia as they portray Penn State's glory.

If the way to a Penn Stater's heart is through his or her stomach, then Cookin' With the Lion, the Alumni Association cookbook, is the ideal gift. The 275 recipes will conjure up recollections of tailgates past and other fun times. Some of the dishes featured are: Better-Than-HUB Asparagus, Coed Casserole, Mint Nittany Cookies and Business Logistics Pound Cake. Cookin' With the Lion also is available in the Penn State Bookstore.

Also at the bookstore are Nittany Lion stauettes, Penn State armchairs, rocking chairs, wristwatches and Alumni Association memberships.

A portion of the proceeds from any of these purchases will be used to endow student scholarships and fellowships.

Shop at the Penn State Bookstore on Campus, or stop by the Alumni Office in 105 Old Main. For further information, please call 865-6516.

Penn State Blue Band

The following items are available from the Penn State Blue Band and can be purchased at the Penn State Bookstore on campus, the Student Bookstore on College Ave. and McLanahan's Penn State Room on Garner St.:

— Blue Band Video, a 30-minute cassette of Pregame, including the famous flip and halftime highlights, produced by WPSX-TV for $25.

— Cassette tape "Here's Big Blue"—includes school songs and halftime favorites, $9.

— Blue Band postcards at five for $1.

Holiday Arts and Crafts Sale

The HUB Arts and Crafts Center and the Penn State American Marketing Association are co-sponsoring a holiday arts and crafts sale on the first floor of the HUB, Monday, Dec. 2, to Friday, Dec. 6., 10 a.m. to 5 p.m.

The arts and crafts sale is an annual event during which local artists and craftspeople display their original works and offer them for sale. Among the items displayed will be pottery, jewelry and textiles.

White Golf Shop

The White Golf Shop will be open for Christmas shopping from 9 a.m. to 5:30 p.m., Nov. 11 until Dec. 23.

The White Golf Shop has everything for a golf enthusiast. There is a large variety of golf items to please any taste.

Gift certificates, golf accessories and memberships are some of the gift ideas available. In addition there will be special sale tables, with discount items.

For more information, please call the White Golf Shop at 865-6231.

Forum on Black Affairs

The Forum on Black Affairs is selling Christmas cards with an African-American theme. In addition, the Forum will have cards that commemorate the celebration of Kwanzaa, an African-American tradition.

The cards will be sold individually or in boxed sets with prices ranging from $1.50 through $12. The cards are on display at the Paul Robeson Cultural Center and can be ordered from any Forum member. The Cultural Center is open from 8 a.m. until 10 p.m. Monday through Friday and 1 to 4 p.m. on weekends. Call 865-1779 for more information.

'Tis the season for gifts from University Park

Horatio's

Shaver's Creek Environmental Center, nestled in the woods of Rothrock State Forest at Stone Valley, has a great deal to offer to both children and adults. Visitors can explore more than 25 miles of hiking and skiing trails, an exhibit room with live animals, a raptor rehabilitation center and much more. Shaver's Creek also is home of Horatio's Book and gift shop, which carries nature-related items for people of all ages on your holiday gift list.

Horatio's offers a wide variety of birdfeeders and bird accessories that will give hours of close-up bird watching. The shop carries Droll Yankee and Aspect models, blue bird houses, hummingbird feeders and metal and mesh suet feeders.

Horatio's carries a number of identification guides including The Peterson Field Guides and First Guides, as well as Stoke's A Guide to Bird Behavior, and The National Geographic Society's Field Guide to North American Birds. Field guides and books on natural history such as those on — wildflowers, reptiles and amphibians, mammals, insects and spiders, geology, astronomy, fish and oceans and environmental issues — also are always popular. Horatio's also has books on gardening, herbs, wild edibles, composting and maple sugaring. Classic books by environmental educators and philosophers also can be found at Horatio's.

Shaver's Creek is located 14 miles south of State College off Route 26. Open seven days a week from 10 a.m. to 5 p.m. The store will be closed Monday, Dec. 23 for the holidays. For further Information, call 853-2000.

Penn State Tennis Center

The Penn State Tennis Center has four indoor courts available by the hour or hour-and-a-half. Located on campus next to Holuba Hall, the Penn State Tennis Center features a pro shop fully stocked with specialized tennis clothing and shoes as well as many styles and types of rackets. Special holiday sale prices are marked on many items. Gift certificates are available.

The Tennis Center's holiday hours are 8 a.m. to 9 p.m. seven days a week. The Center will close at 3 p.m. Tuesday, Dec. 24, and Tuesday, Dec. 31. The Center will be closed on Dec. 25 and Jan. 1. For more information, please call 865-13S1, or 865-1381.

The Weekly Collegian

Alumni, recent and past, will be kept up to date on happenings at Penn State with a subscription to The Weekly Collegian.

Published by the staff of The Daily Collegian, it is a useful and informative gift for Penn Staters and Penn State fans.

The subscription price is $1S.50 for one year, $29.04 for two years and $38.61 for three years. Subscriptions outside of the United States are an additional $1S.18 per year (surface mail).

To subscribe, make checks payable to Collegian, Inc., Dept. W, 123 S. Burrowes St., University Park, PA 16801-3882. Subscriptions will begin upon receipt of order.

Christmas ornament

The official 1991 Penn State Christmas ornament is available for $14.95 at the Penn State Bookstore on Campus.

The third in the five-year "Christmas at Penn State" ornament series, this year's design features Old Main. The ornament is minted in 24-karat gold over brass.

Ornament sales benefit two special causes: undergraduate scholarships at Penn State and the Easter Seal Society of Centre and Clinton counties — whose mission is to help disabled persons realize their potential.

Christmas Tree Sale

Members of the Penn State Forestry Society and Tau Phi Delta fraternity are sponsoring their annual Scotch pine Christmas tree sale. In addition to delivery service, trees will be set up in the Ag Arena so that people may choose their own. The sale begins Monday, Dec. 2, and will continue through Sunday, Dec. 8. The cost will be $4 per linear foot; for example, $24 for a six foot tree, plus $4 for campus delivery. Orders will be accepted until Dec. 8 at 237-5673, or 237-231S.

Nittany Lion Inn

Celebrate the holiday season at the Nittany Lion Inn for all of your special gatherings and events. Banquet space is still available for groups of 10 to 300 persons and the sales staff will be happy to assist you in planning every detail.

For more intimate affairs, three special offerings will be available in the Main Dining Room: Candlelight Dinners For Two will be offered in the Main Dining Room, Monday through Friday, from Monday, Dec. 9, to Monday, Dec. 23; Daily Customer Appreciation Luncheon Buffets will be served Monday through Friday, from Monday, Dec. 16, to Monday, Dec. 23; and don't forget the Inn's delicious Sunday Brunch served from 11:30 a.m. to 2 p.m. For more information or to make dining reservations, please call 231-751S.

For visiting holiday family and friends, take advantage of discounted guest room rates from Dec. 23 through Jan. 1. The special rates begin at $35 for single occupancy and $40 for double occupancy. And for a great gift idea, consider giving a Nittany Lion Inn gift certificate. For more information, please call the front desk at 231-7505.

Holiday Poultry Sales

The Poultry salesroom, located at the Poultry Resource Farm on Bigler Rd. will be open Wednesday, Nov. 27, and Thursday, Dec. 19, 10 a.m. to 3 p.m. and will have available for sale chicken roasters, fryers, stewing chickens and fresh eggs. The salesroom will be closed Dec. 23 until Jan. 2, 1992. For more information, call 865-3765.

The Creamery Store

For this holiday season, patrons may purchase Penn State's famous ice cream in many flavors ranging from "Peachy-Paterno" to "WPSX Coffee Break." Penn State Creamery-made cream cheese, cheddar cheese and cream cheese spreads also are available. In addition, cheese gift boxes from the Creamery make an excellent party-going gift.

The Creamery is open from 7 a.m. to 10 p.m. Monday through Friday; 8 a.m. to 10 p.m. Saturday; and 9 a.m. to 10 p.m. Sunday.

Penn State University Ice Pavilion

The Penn State Ice Pavilion located in the Greenburg Indoor Sports Complex on the east end of campus will be offering special three-hour public ice skating sessions during the Christmas holiday period, from Saturday, Dec. 21 through Tuesday, Dec. 31. Session hours are:

Sat. Dec. 21 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Sun. Dec. 22 1 p.m.-4 p.m.
Mon. Dec. 23 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Tue. Dec. 24 1 p.m.-4 p.m.
Wed. Dec. 25 Closed
Thu. Dec. 26 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Fri. Dec. 27 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Sat. Dec. 28 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Sun. Dec. 29 1 p.m.-4 p.m.
Mon. Dec. 30 1 p.m.-4 p.m., and 6 p.m.-9 p.m.
Tue. Dec. 31 1 p.m.-4 p.m.
Wed. Jan. 1 Closed
Thu. Jan. 2 Regular session hours resume.

❄❄❄ Admission prices are as follows: ❄❄❄

PSU Students with ID -- $2.25; Youth (18 and under) $2.50; Senior Citizens (62 and up) $2.50; Adults -- $3; Skate Rentals $1.25.

In addition, a limited number of Main and Studio Rink hourly rates are available. For additional information, please call the Ice Pavilion at (814) 865-4102.

In the interest of making holiday shopping easier, INTERCOM presents its 12th annual listing of gift ideas available at University Park. The holiday shopping guide was compiled by the INTERCOM staff and Daniel J. Huslin.

HAPPY HOLIDAYS

Celebrating the season in style

Penn State Bookstore on Campus

The Penn State Bookstore on Campus will celebrate the holidays with its 13th Annual Appreciation Sale, from Monday, Dec. 2, through Friday, Dec. 20.

A 20 percent discount will be offered on almost everything in the store, from Penn State apparel and gifts to a large selection of general books, art and engineering materials, supplies and holiday merchandise.

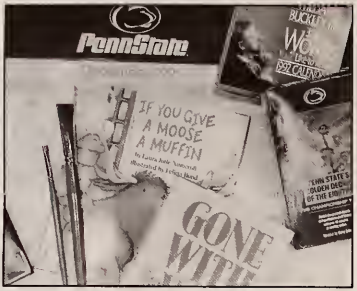
In the general book department, customers can browse through books by faculty and local authors, a large selection of paperback and hardbound bestsellers, classics, poetry, mysteries, science fiction, art books, humor, computer books, nature/life science, mathematics and engineering books (save up to 60% on selected Springer-Verlag titles through Dec. 31) as well as reference books, biographies, children's books and cookbooks.

Calendars and datebooks, illustrated with a variety of subjects and in several formats, always are popular. Included are "Word-A-Day" and the Sierra Club and Audubon calendars.

You are sure to find treasures for children on your gift list in the Children's Book Department and the juvenile books section. Educational games and puzzles as well as a special collection of holiday books are available.

The bookstore also carries a large selection of books on Pennsylvania's heritage and Centre County history, many titles from Penn State Press and a large selection of hardbound bestsellers at $3.99 each. Current NEW YORK TIMES bestsellers are discounted 25 percent everyday and selected items in several departments are currently offered at greater reductions.

During the week of Dec. 2, the bookstore will hold its annual "Celebration of Authors" featuring several local authors who will sign and discuss their recently published books.



The Art and Engineering Department of the bookstore holds many delights for young and old. Calligraphy and Windsor Newton painting sets, sketchbooks and papers, Olympian drafting table set (including lamp and stool), artist's pens, pencils and markers all can be found on sale in the department.

In the Supply Department are custom-designed Penn State holiday cards and ornaments, quality stationery, Parker and Mont Blanc pens and Penn State insignia A.T Cross pens and pencils. A large variety of desk accessories and quality leather and vinyl briefcases and attaches, photo albums, address books, and other supplies are included in the appreciation sale.

The bookstore also carries a large selection of Penn State emblematic clothing in traditional collegiate styles and contemporary fashions such as sweaters and sweatshirts, t-shirts, hats, children's wear and knitwear—all offered at a 20 per cent savings beginning Dec. 2

In addition, stocking-stuffers can be found throughout the store, including colorful school supplies, Penn State insignia pens and pencils, blank books, games, picture frames, maps, pocket address/date books and holiday items.

Some categories of merchandise are excluded from the sale, such as textbooks, calculators, black and white film supplies, sale items (already discounted 20 per cent or more), and a few other items.

The Penn State Bookstore on Campus is open seven days a week: Monday through Thursday from 8 a.m. to 8 p.m.; Friday from 8 a.m. to 5:30 p.m.; Saturday from 9 a.m. to 5 p.m.; and Sunday, Noon to 4 p.m. The bookstore will be closed from Saturday, Dec. 21, through Wednesday, Jan. 1, in accordance with the University schedule.

For more information on the Annual Appreciation Sale, please call Elizabeth Wilson at 863-3250.

The Center for the Performing Arts

The Center for the Performing Arts is offering a variety of holiday shows—religious, secular and ecumenical—to usher in the season.

"A Christmas Carol," a lavish stage adaptation of Charles Dickens' traditional tale, will be performed at 8 p.m. Tuesday, Dec. 3, in Eisenhower Auditorium. The language and story are extraordinarily faithful to Dickens' original tale about Ebenezer Scrooge, a miserable, avaricious man, who learns that life's richest reward is caring for one's fellow man. Tickets are $20, $16, and $14 for adults; $16, $12 and $10 for students.

Few sounds evoke the solemnity and grandeur of the holiday season like choral music. One of Europe's premiere choral groups, the Jitro Czechoslovak Girl's Choir, under the direction of Jiri Skopal, will appear in concert at 8 p.m. Wednesday, Dec. 4, in Eisenhower Auditorium. The program includes religious and secular music dating from the Renaissance to modern day and traditional Czech folk tunes. Tickets are $16, $12 and $10 for adults; $12, $8 and $6 for students.

"M. Butterfly," a play by David Henry Hwang, weaves a tale so strange and bizarre, it can only be true. Based on the incredible events surrounding a 1986 espionage trial, this play is not to be confused with Puccini's opera "Madama Butterfly." From his Paris jail cell, former French diplomat Rene Gallimard recounts his 20-year liaison with a beautiful Chinese opera singer and the circumstances that lead to his downfall. "M. Butterfly will be staged at 8 p.m. Friday, Dec. 6, in Eisenhower Auditorium. Prices are $26, $22 and $20 for adults; $22, $18 and $16 for students.

The Center is asking its patrons for additional generosity this holiday season. Donations of canned or non-perishable food items will be accepted during the "Christmas Carol" and Jitro performances. All proceeds will benefit the Food Bank of State College.

Gift certificates for Center for the Performing Arts events are available in all amounts at Eisenhower Auditorium's Ticket Center. Gift certificates can be applied to any performance and are redeemable during the 1991-92 season. For more information, please call the Ticket Center at 863-0255.

Focus on Research

Some messages are best delivered face-to-face, study shows

Managers enamored of fax machines, electronic mail and portable phones should not forget that some messages are still best delivered face-to-face, a Penn State researcher says.

"For shared meaning, face-to-face is the richest communication medium possible, followed by telephone, electronic mail and personal letters, notes or memos," says **Linda K. Trevino**, assistant professor of organizational behavior in the Smeal College of Business Administration.

"Even when ordered to use electronic mail for communications, managers may secretly fall back on meetings and telephone calls. They find that some problems just can't be resolved through written messages."

Dr. Trevino examined managers' media choices with Robert H. Lengel, associate professor of management and marketing at the University of Texas at San Antonio, and Richard L. Daft, the Ralph Owen, professor of management at Vanderbilt University. They co-authored a chapter on the subject for "Organizations and Communication Technology," edited by Fulk and Steinfield (Sage 1990).

> **"For shared meaning, face-to-face is the richest communication medium."**

In two studies of managers' media choices, the researchers found that face-to-face was often preferred for delivery of ambiguous communications. The immediate feedback, multiple cues and natural language it allows were valued by the managers in such instances.

But not all managers are sensitive to the importance of media selection. "Media insensitive managers are the kind who would use a memo to tell a subordinate about a demotion, but deliver routine messages face-to-face," Dr. Trevino says.

Nearly 84 percent of 95 managers questioned in one of the studies chose face-to-face for messages rated high in ambiguity. Only 13.5 percent chose it for minimally ambiguous communications.

Linda Trevino demonstrates her face-to-face communication style.

"We found a manager's effectiveness is related to media sensitivity — the ability to match the medium to the message," Dr. Trevino notes. "Eighty-seven percent of the 15 most media sensitive managers in our study were also rated as high performers on an internal corporate performance rating scale. Only 47 percent of the 15 least media sensitive managers were considered high performers."

In some cases, the medium itself becomes a message, the researchers say.

For instance, a manager who congratulates 25-year employees by electronic mail may be symbolically showing a lack of concern. Personal letters may suggest commitment to an idea; face-to-face meetings imply openness to input from others.

"The managers we interviewed used face-to-face meetings to signal a desire for teamwork, to build trust, goodwill, or to convey informality," Dr. Trevino says. "Both face-to-face and telephone communications symbolized urgency, personal concern and deference to the receiver who preferred that medium."

Senior managers can influence their organization's culture through the media they promote, the researchers add. If they want informality, teamwork and goodwill, frequent face-to-face discussions should be urged. A formal, efficiency oriented culture, on the other hand, calls for intensive use of written communications.—**Gary Cramer**

Promotions

Staff Exempt

Wayne A. Bicehouse, to advanced engineering aide in Applied Research Lab.
M.S. Bortner, to manager, public information/media relations at Hershey.
Sherry R. Brusco, to bookstore manager at McKeesport Campus.
James J. Coggins, to senior construction quality representative in Office of Physical Plant.
Susan J. Croyle, to administrative aide in Smeal College of Business Administration.
Nevin H. Dutrow, to advanced engineering aide in Applied Research Lab.
Caroline M. Gangl Power, to manager publications/public relations at Hershey.
Teresa M. Ganse, to user information manager at Hershey.
Dennis B. Herbert, to assistant to the director for technology transfer in Applied Research Lab.
Christopher M. Hurley, to assistant director, housing and food services in Housing and Food Services.
Janet L. Jonson, to advanced engineering aide in Applied Research Aide.
Louis P. Kraus, to advanced engineering aide in Applied Research Lab.
Michael E. Lloyd, to nursing manager at Hershey.
Margaret B. McNulty, to assistant coordinator, Computer and Information at Altoona Campus.
Denise A. Medvid, to section supervisor Clinical Labs at Hershey.
Stephen R. Selfe, to senior applications programmer/analyst in Office of Human Resources.

Staff Nonexempt

Lori J. Dodson, to research technologist in College of Engineering.
Jay McElroy, to senior research technician at Hershey.
Cynthia A. Reed, to research technician at Hershey.

Clerical

Janice L. Bentz, to clerk A, data input in Undergraduate Education.
Judity A. Byerly, to clerk, coding and abstracting at Hershey.
Maureen S. Deringer, to secretary B at New Kensington Campus.
Kathryn E. Kensinger, to accounting clerk in Health and Human Development.
Mona F. Shaffer, to secretary B at Capital College.
Melissa K. Snoberger, to clerk A in Office of Business Services.

Technical Service

Johnny L. Bloom, to preparation technician in Eberly College of Science.
Bessie M. Deppen, to operating room instrument aide at Hershey.
Nasr N. Elsaid, to maintenance worker utility in Student Services.
Jeffery C. Evock, to maintenance worker, general B in Office of Physical Plant.
Herman H. Herr, to HVAC mechanic at Hershey.
Tina M. Hoerner, to patient care assistant A at Hershey.
Katie E. Long, to utility worker at Hershey.
Michael S. Neff, to maintenance worker, area landscape in Office of Physical Plant.
Michelle E. Shindel, to senior instrument processing aide at Hershey.
Bradley T. Siegfried, to kitchen worker at Hershey.

Faculty/Staff Alerts

Reminder on W-2 mailing

If your payroll check is deposited, your W-2 will be mailed to the office address shown on your payroll deposit slip. If your payroll check is not deposited, the W-2 Form will be mailed to the address shown on the payroll check.

If the office address is incorrect as shown on your payroll check or deposit slip, please correct by seeing your personnel representative.

The home address can be corrected by submitting a new W-4 Form to the Payroll Office, 307 Rider Building.

Payroll deduction

Effective with wages paid on or after Jan. 1, 1992, there will be a .05 percent Pennsylvania Unemployment Compensation tax withheld from all University employees covered under Unemployment Compensation legislation.

This amounts to 50 cents for each $1,000 earned. An employee earning $20,000 over the course of the year will pay $10 in unemployment tax.

Contribution increase reminder

This is a reminder of the previously announced increase in faculty/staff contributions for Healthpass and hospital/surgical/major medical (Plan A) effective January 1, 1992. The new rates will be:

	Monthly	Biweekly
Employee only	$10.00	$4.62
Employee, spouse or child	16.00	7.38
Employee, spouse and child(ren)	22.00	10.15

Health maintenance organization (HMO) participants will be notified of the required 1992 contribution at a later date. Contributions for dental and vision coverage remain unchanged:

	Monthly	Biweekly
Employee only	$1.25	$.58
Employee, spouse or child(ren)	2.50	1.15
Employee, spouse and child(ren)	4.00	1.84

Faculty and staff contributions to the medical, dental and vision plans may be deducted on a pre-tax basis under the contribution conversion option of flexible benefits. The election period for contribution conversion ends Nov. 29.

25-year award recipients

Observing 25 years of service at the University are Samuel M. Crossley III, extension director in Potter and McKean counties; J. Deon Jonsmo, associate dean for international programs and professor of agricultural economics; Ethel Ann Jones, extension director in Snyder County; Marvin L. Rislus, professor of plant breeding in agronomy, all in the College of Agriculture, and Nancy M. Tischler, director of summer sessions.

Partings

Retires with emeritus status

Engineering professor ends distinguished 39-year career

J. William Holl, professor of aerospace engineering, has retired with emeritus status after 39 years of service.

Dr. Holl, who directed graduate studies in the Department of Aerospace Engineering from 1987-91, conducted hydrodynamics research at the Applied Research Laboratory. His teaching and research expertise was recognized by numerous honors, such as the Lindback Award for Distinguished Teaching (1973), ARL's Distinguished Performance Award (1977), the College of Engineering Outstanding Research Award (1985) and several American Society of Mechanical Engineers awards.

He was named the Outstanding Mechanical Engineer of the Central Pennsylvania Section (1973), and received the Centennial Medallion (1980) and Dedicated Service Award (1985). In 1980, he was recognized by the University of Illinois as a distinguished graduate of the Department of Mechanical Engineering.

Dr. Holl is a Fellow in the American Society of Mechanical Engineers and an associate Fellow in the American Institute of Aeronautics and Astronautics. He received his bachelor's and master's degrees from the University of Illinois and his Ph.D. from Penn State, all in mechanical engineering.

Dr. Holl and his wife, Antoinette, are the parents of seven children and have three grandchildren. In his retirement years, he will devote his time to the study of music and to visiting his family.

J. William Holl

Food worker retires after 27 years

Geraldine A. Kooney, food production worker B in Housing and Food Services, will retire Jan. 1 after 27 years service.

Mrs. Kooney, who currently prepares salads in the HUB Eateries, joined the University staff in 1964 as a counter woman in Redifer Dining Commons:

"I've enjoyed working at the University," she said. "The students and other employees are really nice. I'll miss everyone."

Crochet and travel plans will keep her busy after her retirement. She will be visiting family members in Akron, Ohio, and Marietta, Pa. with her husband, Roy E. Kooney, who will be retiring from Redifer Dining Commons after 32 years service.

Private Giving

Anonymous donation enables Behrend College to purchase 20-room estate

A $500,000 gift from an anonymous benefactor has enabled Penn State Erie, The Behrend College to purchase the former Mack estate just north of the College on Station Road.

John Lilley, provost and dean at Penn State-Behrend, and students Greg Geibel and Christi Ludon look over restoration plans for the estate, seen in the background.

The elegant home, which sits on eight acres adjoining the Penn State-Behrend campus, will be used primarily for programs to promote faculty and student interaction.

The property was purchased in October. Its original owners were the Mack family. Elisha Mack Jr., and his wife Sarah, built the Georgian Colonial home in 1928 as a summer retreat. Elisha Mack came to Erie to establish The Boston Store and had controlling interest in the endeavor. He later began the Erie Community Foundation.

Proctor and Gamble gives $50,000 annual gift to support engineering and business

The Proctor and Gamble Fund has given $50,000 as its annual gift to support programs in the College of Engineering and in The Smeal College of Business Administration. This year's contribution represents a 10 percent, or $5,000 increase over last year. The unrestricted gift, earmarked for academic needs, will be distributed as follows:

Department of Chemical Engineering, $20,000; Department of Mechanical Engineering, $10,000; Department of Marketing, $10,000; Smeal College of Business Administration, $2,500; College of Engineering, $2,500; Center for Logistics Research, $5,000.

Cincinnati-based Proctor and Gamble Co. makes a variety of products for the home and employs 77,000 people worldwide, including 221 Penn State alumni.

Awards

Associate provost garners highest honor

James D. South II, associate provost for administrative operations at Penn State Harrisburg, has been named the recipient of the provost and dean's highest honor.

On Oct. 5, during the College's 25th Anniversary Commemorative Convocation, Dr. South received the Provost's Community Service Award from Ruth Leventhal, provost and dean, for his outstanding service to the College.

For 22 years Dr. South has provided leadership to the college in several capacities. Having served in many areas of student affairs, he has been associate provost since 1986. In that position, he is responsible for overseeing all physical plant and maintenance operations as well as business services, housing and food services and student affairs.

Dr. South received his D.Ed. from Penn State University, his M.A. from New York University and his B.A. from Dickinson College.

Assistant professor receives $500,000 research award

Richard B. Alley, assistant professor of geosciences, has been awarded the David and Lucille Packard Foundation Fellowship in Science and Engineering for 1991 to conduct research on the dynamics of glaciers and ice sheets.

The Packard Award provides a total of $500,000 in research support over a period of five years. This is the second Packard Fellowship to be won by University faculty members. Dr. Alley and **Susan L. Brantley**, who received the award in 1988, are members of the Department of Geosciences in the College of Earth and Mineral Sciences.

Dr. Alley, a glaciologist, also holds an appointment with the Earth System Science Center. He was awarded as a Presidential Young Investigator in 1990. His research focuses primarily on ice sheet processes and the identification and interpretation of glacial signals of past and present global climate change.

He is member of the Siple Coast Project in Antarctica and the Greenland Ice Sheet Project II, and for several years has been involved in working groups advising the National Science Foundation and NASA on aspects of Antarctic and Arctic glaciology.

1991 worldwide recipient

Director honored with two prestigious awards

Digby D. Macdonald, director of the Center for Advanced Materials and professor of materials science and engineering, is the 1991 recipient of the Carl Wagner Memorial Award from the Electrochemical Society for Achievements in Electrochemistry and Corrosion Science.

The society chooses one award winner every other year from a worldwide field of corrosion scientists and electrochemists for outstanding work in mid-career.

Dr. Macdonald also is the 1992 Willis Rodney Whitney Award recipient in recognition of significant contributions to the science of corrosion from the National Association of Corrosion Engineers.

A native of New Zealand, he received his B.Sc. and M.Sc. degrees in chemistry from the University of Auckland. He received his Ph.D. degree in chemistry from the University of Calgary in Alberta, Canada, in 1969. His research interests include electrochemistry, corrosion science, battery science and technology and nuclear reactor technology.

Prior to his appointment as director of the Center for Advanced Materials, Dr. Macdonald was the director of the Materials Research Laboratory and deputy director of the physical sciences division at SRI International in Menlo Park, Calif.

Digby D. Macdonald

25-year award recipients

Observing 25 years of service at the Applied Research Laboratory are, from left, Albert F. Niessner Jr., senior research associate; Richard E. Norris, toolmaker; Gerald F. Selders, supervisor, Water Tunnel Drafting and Design; Amos J. Snyder, senior designer, electromechanical, and Donald E. Thompson, head, Hydroacoustics Department.

Penn Staters

Bonnie Barton Boyer, instructor in exercise and sports science at the Penn State Schuylkill Campus, has been named the Outstanding Young Fitness Leader in Pennsylvania by the Pennsylvania Jaycees.

David Collins, visiting professor in exercise and sport science, spoke at the annual meeting of the British Psychophysiology Society at London University.

Patrick Forsyth, executive director of the University Council for Educational Administration and associate professor of education, has been elected to chair the National Policy Board for Educational Administration.

Geoffrey Godbey, professor of leisure studies, made invited presentations dealing with the impact of demographic and economic change on leisure behavior to the New Zealand Recreation Association and at a Japanese government-sponsored conference dealing with strategies for increasing free time with Japanese society.

Michael Green, associate professor of nutrition, presented a paper titled "A Kinetic Model of Vitamin A Turnover in Organ Subsystems of Rats at Three Levels of Vitamin A Nutriture" at an international conference in Palermo, Italy.

H. Reginald Hardy Jr., professor of mining engineering and director of the Pennsylvania Mining and Mineral Resource Research Institute, is serving on the organizing committee of the Seventh International Symposium on Salt to be held in Kyoto, Japan, April 1992.

Charles L. Hosler, senior vice president for research and dean of the Graduate School, was the keynote speaker at the dedication of the National Weather Service Modernization Program and the New Forecast Office for the nation's capital in Sterling, Va.

Joseph Jordan, professor emeritus of chemistry, gave a lecture, "Teaching of Quality Control in Analytical Measurements," at the 36th General Assembly of the International Union of Pure and Applied Chemistry (IUPAC) in Hamburg, Germany.

James Karwoski, athletic director, head baseball coach, and assistant professor of exercise and sports science at the Penn State Beaver Campus, has been named to the twelve-member selection committee for the National Olympic Baseball Team Trials.

Marilyn Sterner Keat, assistant director of the University Scholars Program and affiliate assistant professor of education, has received the 1991 Dissertation of the Year Award by the Association for Moral Education.

Howard G. Knuttgen, director of the Center for Sports Medicine, served as chairman of the Programme Committee for the Second World Congress on Sports Sciences sponsored by the International Olympic Committee in Barcelona, Spain.

Ruth Leventhal, provost and dean, Penn State Harrisburg, has been named chairwoman of the Council for Public Education, a non-profit organization of Central Pennsylvania and education officials.

Robert F. Nicely Jr., professor of education and associate dean for continuing and commonwealth education and outreach programs in the College of Education, has been nominated by the Association for Supervision and Curriculum Development to serve on the National Council for Accreditation of Teacher Education's Board of Examiners.

Rustum Roy, Evan Pugh professor of the solid state, and **Robert E. Newnham**, Alcoa professor of solid state science, were two of nine scientists from all over the world given the Centennial Award of the Ceramic Society of Japan.

H. Randolph Thomas Jr., professor of civil engineering, has been named a recipient of the American Society of Civil Engineers' (ASCE) 1991 Thomas Fitch Rowland Prize for pioneering work on the development of on-site data measurement techniques for quantifying the effects of design and management factors on labor productivity.

Kenji Uchino, professor of electrical engineering; **Robert E. Newnham**, Alcoa professor of solid state science, and **L. Eric Cross**, Evan Pugh professor of electrical engineering, presented a tutorial workshop at the International Symposium on Active Materials and Adaptive Structures.

F.M. Williams, associate professor of biology, gave an invited paper, "Statistics of Post Hoc Impact Assessment," at the Organization for Economic Cooperation and Development's workshop on "Mathematical Modelling of Gene Exchange in the Soil," at King's College, London, England.

William H. Winsborough, assistant professor of computer science, presented a colloquium, "Abstract Interpretation Using Type Graphs," at the Department of Pure and Applied Mathematics, University of Padua, Padua, Italy, and at the Department of Informatics, University of Pisa, Pisa, Italy. He also presented the paper, "Prop Revisited: Propositional Formulas as Abstract Domain for Groundness Analysis," at the Sixth Annual Institute of Electrical and Electronics Engineers Symposium on Logic in Computer Science in Amsterdam, the Netherlands.

Monika Zechetmayr, assistant professor of exercise and sport science at the Penn State DuBois Campus, presented a research paper on the future prospects of corporate health promotion programs in the United States at the International ICHPER Conference in Ireland. She also presented a paper on Australian Health Promotion Programs in Victoria, Australia, at the American Humanist Sociology Association meetings in Ottawa, Canada.

Bookshelf

Daniel B. Litvin, professor of physics at the Penn State Berks Campus, is co-author of Character Tables and Compatibility Relations of the 80 Layer Groups and 17 Plane Groups with Berks Campus alumnus Thomas R. Wike ('87 electrical engineering).

Published by Plenum Press, New York, the book is a reference guide for physicists working in solid state physics.

Mr. Wike, who is now employed at General Electric Aerospace, worked on the book with Dr. Litvin while he was an undergraduate student.

Edmund Short, professor of education, is the editor of Forms of Curriculum Inquiry, published by the State University of New York Press.

The book describes 17 different approaches being used in curriculum research. Prominent education researchers explain the purposes and processes associated with conducting each form of curriculum inquiry.

Elliot Fratkin, assistant professor of anthropology, is the author of Surviving Drought and Development: Ariaal Pastoralists of Northern Kenya, published by Westview Press.

Focusing on one African society's responses to famine relief and development efforts, Surviving Drought and Development is the story of how the Ariaal, livestock pastoralists of Northern Kenya, have adapted to and survived both natural- and human-induced disasters.

Robert N. Proctor, associate professor of history, is the author of Value-Free Science? Purity and Power in Modern Knowledge, published by Harvard University Press.

The book is intended to help readers reconcile the ideals of scientific freedom and social responsibility.

Dr. Proctor traces the origins of value-neutrality prior to the 18th century, explores the exclusion of politics and morals with the emergence of the social sciences and discusses how arguments for value-free science often mask concrete political maneuvers.

The book also reviews scientific controversies surrounding recent debates on agricultural sciences, military research, health and medicine, feminism and biological determinism.

Dr. Proctor also is the author of Racial Hygiene: Medicine under the Nazis, published by Harvard University Press in 1988.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLDYMENT DIVISIDN, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, November 29. DO NDT CDNTACT THE AREA THAT HAS THE VACANCY.

Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status.

■ **01964, Director of Housing and Laundry Services, Housing and Food Services, University Park Campus** — Responsible to the assistant vice president for housing and food services for the effective operation of Housing Services. This includes responsibility for establishing, implementing, and controlling operational practices and procedures and for assisting in the long range planning of residence halls, graduate housing, and related areas such as recreational areas and parking locations. Requires bachelor's degree, or equivalent, in hotel administration or student personnel work, with master's degree preferred; plus five to seven years of effective experience in positions of increasing responsibility. STAFF GRADE 9.

■ **01965, Supervisor of Vending Maintenance, Housing and Food Services, University Park Campus** — Responsible to the manager of vending and snack bars for the operational function of Vending Maintenance Services and personnel involved. Requires associate degree, or equivalent of two years college-level training in mechanical or electrical technology and over three and up to and including four years of effective experience in vending maintenance or circuitry. STAFF GRADE 5.

■ **01966, Computer Laboratory Supervisor, Behrend College, Computer Center** — Responsible to the manager, Computer and Information Systems, for supervision of the Student Computer Laboratories within the College and in the scheduling, assigning and monitoring of work carried out by the Student Computer Laboratory operators. Requires associate degree, or equivalent in computer science, MIS or related area, plus two to three years of effective experience with computer systems, scheduling procedures, programming, etc. STAFF GRADE 6.

■ **01967, Nurse-Athletics, Intercollegiate Athletics, University Park Campus** — Assess medical problems, gather preliminary information, and direct patients to appropriate medical personnel or initiate/provide treatment. Assist physician with treatment or initiate independent nursing intervention based on prescribed protocols. Initiate and order diagnostic and laboratory tests. Requires graduate from an accredited nursing program and current licensure in Pennsylvania as a registered nurse, plus up to one year of effective experience STAFF GRADE 4

■ **01968, Human Resources Assistant, Human Resources and Business Services, Penn State Harrisburg** — Responsible to the manager, Human Resources and Business Services, for assisting with the delivery of Human Resource services to Penn State Harrisburg. Requires bachelor's degree, or equivalent, in human resource management, business administration or related field, plus up to one year of effective experience. STAFF GRADE 5.

■ **01969, Assistant Director, Division of Undergraduate Studies, Undergraduate Education, University Park Campus** — Responsible to the director, Division of Undergraduate Studies, for assistance in the development of DUS policies, enrollment programs, and operational procedures at all University campuses where DUS and provisional students are enrolled; the Assistant Director assists with the recruitment and selection of professional staff, staff in-service training, professional development activities, and the maintenance of professional standards. Requires doctorate or equivalent, plus three to four years of effective experience in higher education administration and academic advising preferred. Teaching experience is highly desirable STAFF GRADE 9.

■ **01970, Textbook Information Assistant, Penn State Bookstore, University Park Campus** — Responsible to the textbook specialist for maintaining and establishing contact with University personnel; communicate ideas, policies and procedures regarding Bookstore matters. Requires associate degree, or equivalent, in business or marketing, plus one to two years of effective experience. This is a Fixed Term 1 position funded through Dec. 31, 1992. STAFF GRADE 4.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **November 29.**

■ **1054, Assistant Nurse Manager, Department of Nursing/Five Surgery** — Responsible to the nursing manager for assistance in handling the day-to-day administration of the assigned nursing unit; assume responsibility in her/his absence. Requires a bachelor of science in nursing from an accredited school of nursing, plus one to two years of effective experience and current license to practice as a registered nurse by the Pennsylvania State Board of Nursing. STAFF EXEMPT, GRADE 6.

■ **1053, Nurse Manager, Department of Nursing/Four Surgery** — Responsible to the assistant hospital director/director of nursing services or the assistant director of nursing services as designated for the operation of the patient care unit, including nursing care activities, the coordination of patient care service, and maintaining acceptable standards of good patient care on a 24-hour basis. Requires a bachelor of science degree in nursing or equivalency, plus three to four years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners. MSN is preferred. STAFF EXEMPT, GRADE 7.

■ **0095, Gross Anatomy Assistant, Department of Anatomy** — Responsible to the chairman, Department of Anatomy, and a professor of anatomy for overseeing the operation of the morgue; compliance with state regulations governing donated bodies and parts thereof; assisting in research procedures in the gross anatomy laboratories, and performing photographic duties. Requires two years of college, plus two years of mortuary school and satisfactory completion of an apprenticeship program and state licensure, with one to two years effective experience or equivalency. STAFF EXEMPT, GRADE 6

Carpoolers

Linda needs a ride from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Call 863-7594.

Maxine would like to carpool from Philipsburg to University Park from 7 a.m. to 3:30 p.m. Call 342--422.

Sandy would like a ride for the winter months from Warriors Mark/Tyrone to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-0848 or 632-5051.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa M. Rosellini, Assistant Editor
Kathy Garman, Calendar

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December 5, 1991 Volume 21, Number 15

Journalist will be King celebration keynote speaker

University of North Carolina journalism professor and retired Philadelphia Daily News columnist Chuck Stone will be the keynote speaker for Penn State's observance of Rev. Dr. Martin Luther King Jr. Day.

Mr. Stone will speak in Eisenhower Auditorium at 4 p.m. Monday, Jan. 20. His speech will be telecast live on PENNARAMA and on WPSX-TV, Channel 3 throughout much of the state.

The event is one of numerous Martin Luther King holiday activities scheduled at University Park and other university campuses.

A longtime journalist who fought for civil rights through his columns, Mr. Stone retired from his newspaper career at the Philadelphia Daily News in August to become the University of North Carolina's Walter Spearman professor of journalism and mass communications. He is the university's first African/Black American chaired journalism professor.

Mr. Stone began his journalism career in 1958 as a reporter at the "New York Age." Six months later he was promoted to editor. By 1960, he had built a reputation as a confrontational African/Black newspaper editor. By 1963 he had served as editor of the Washington Afro-American and the Chicago Defender, two of the nation's most influential Black newspapers. His allegations of racism against Chicago Mayor Richard J. Daley were so strong, Mr. Stone was later fired from the newspaper by its publisher who feared retaliation from the mayor.

The late U.S. Rep. Adam Clayton Powell hired Mr. Stone as his chief administrative aide in 1964. While working with Rep. Powell, Dr. Martin Luther King once offered Mr. Stone a job as the Southern Christian Leadership Conference executive director, but he turned down the offer.

In 1965, a Christian Science Monitor story identified him as the first African/Black American ever hired to do news commentary on American television. In 1966, he helped organize the first Black Power Conference and may have been the first writer to use the slogan "Black Power." In 1975, he became the first president of the National Association of Black Journalists.

Hired in 1972 as the Philadelphia Daily News' first African/Black American columnist, he became the newspaper's first African/Black American senior editor in 1977. His controversial and engaging columns became a staple for the newspaper. His columns frequently criticized top political and civic leaders for their slow movement and lackluster commitment to civil rights issues. He often promoted to African/Black Americans the need for self-empowerment.

See related story on Page 2

Chuck Stone

Mr. Stone's columns on what he viewed as inequalities in the criminal justice system towards African/Black

See "Stone" on Page 2

Petersen gets Minnesota post

Anne C. Petersen, dean of the College of Health and Human Development, has been appointed vice president for research and dean of the Graduate School at the University of Minnesota, effective March 1, pending approval by the university's Board of Regents.

"The University of Minnesota is one of the nation's outstanding research universities, and I am honored to have been selected as its first vice president for research and the traditionally important role of dean of the Graduate School," Dr. Petersen said.

"My life thus far -- growing up in Minnesota, educated at a major research university, active in research and academic leadership roles -- makes me enthusiastic about the challenges and opportunities of this position."

President Thomas called Dr. Petersen "a superb university citizen" who quickly brought the College of Health and Human Development into a position of national leadership.

"Her work in adolescent development, specifically the intersection of biological and psychological functioning in adolescent behavior, is internationally recognized," he said. "She will bring experience, know-how, wisdom and grace to her new position at Minnesota."

Dr. Thomas said he will be moving quickly to initiate a national search process to identify new leadership for the college.

"The college is a leader in a number of important areas," he said. "We are committed to maintaining that leadership position for the College of Health and Human Development."

Born in Little Falls, Minn., Dr. Petersen received bachelor's, master's and doctoral degrees from the University of Chicago. An expert in adolescent development and mental health, she was professor of human development and head of the Department of Individual and Family Studies before becoming dean.

She also has served as associate director of The John D. and Catherine T. MacArthur Foundation's Health Program (1980-82); director of the Laboratory for the Study of Adolescence in the Institute for Psychiatric and Psychosomatic Research and Training at the Michael Reese Hospital and Medical Center in Chicago (1975-82); research associate in the psychiatry department at the University of Chicago (1972-82); and coordinator of the Clinical Research Training Program in Adolescence at the Michael Reese Hospital and Medical Center (1976-80).

The Board of Regents will act on her appointment recommendation Dec. 13.

Anne C. Petersen

University ranked second in research

For the third consecutive year, the University ranks second in the nation among colleges and universities in industry-sponsored research and development expenditures for fiscal 1990, according to the National Science Foundation.

The Massachusetts Institute of Technology ranked first in industry-sponsored R&D with $43.46 million. Penn State's industry-sponsored R&D totaled $34.806 million in the federal fiscal year 1990, which ran from Oct. 1, 1989, through Sept. 30, 1990. In the previous year, Penn State also ranked second with $30.3 million.

For 1991, expenditures were $39.7 million, showing continued strong growth of 14 percent for the past year and assuring continued ranking as one of the top two universities in industrial research.

"Industrial support translates into confidence in the expertise and innovative nature of our faculty and

See "Ranking" on Page 2

Focus on Diversity

Faculty member gets grant

Deborah J. Medeiros, associate professor of industrial and management systems engineering, has received a five-year, $250,000 grant from the National Science Foundation to study manufacturing techniques.

Dr. Medeiros and female graduate and undergraduate students will study coordinate measuring machines (CMM) used for inspecting parts on assembly lines. Using a CAD data base, Dr. Medeiros plans to develop effective ways to expand use of CMM for the inspection of manufactured parts and to define tolerance parameters.

The grant is a part of the NSF Faculty Awards for Women Scientists and Engineers (FAW) program which recognizes outstanding and promising female scientists and engineers in academic careers. Dr. Medeiros was one of 100 female faculty members nationwide to receive a FAW grant.

Attracting and encouraging female students is an integral part of the NSF research grant, according to Dr. Medeiros who will hire promising undergraduates to work on parts of the research problem. She plans to have at least one graduate student and two undergraduate students involved each year of the grant.

"There are still very few women in science and engineering and it can be tremendously helpful to have colleagues or mentors to talk to," she said. "Grants like this increase the visibility of women in engineering research so that undergraduates see research careers as a viable option."

Dr. Medeiros is an adviser to Alpha Pi Mu, the industrial engineering honor society and, as an avid kayaker, is involved in the Penn State Outing Club. She received a Penn State Engineering Outstanding Advising Award in 1990.

She joined the University faculty in 1981, upon completion of a Ph.D. in industrial engineering at Purdue. She received a bachelor's degree in industrial engineering from the University of Massachusetts and a master's from Purdue University.

Puerto Rican Awareness Week

Lillian Escobar Hoskins, of the Governor's Commission on Latino Affairs, shares a smile with a student after making a presentation titled "Pennsylvania Hispanic/Latino Perspective" in the Hetzel Union Building at University Park. Coordinated by the Puerto Rican Student Association, Ms. Escobar Hoskins' presentation was one of many activities scheduled for Puerto Rican Awareness Week Nov. 18 to 22. (Photo: Greg Grieco)

Forum plans King banquet

The Forum on Black Affairs has announced plans for its 14th annual Dr. Martin Luther King Jr. Memorial Banquet at 6 p.m. Wednesday, Jan. 15, in the Hetzel Union Building Ballroom at University Park.

Charlene Price-Holder, Martin Luther King Memorial Banquet deputy chair, said the event, one of the largest of its kind in the state, has received strong University and community support in the past.

"And this year support is tremendous," she said. "Already, we have received a significant number of requests for tickets. Consequently, we are asking that those planning to attend make reservations by purchasing tickets as soon as possible."

The banquet will feature entertainment and presentations by members of the local community and the University. Award presentations will include the Forum on Black Affairs Humanitarian Service Award, which has been a highlight of the memorial for the past eight years.

Winners of the State College Area School District Awards, featuring students' artistic interpretation of Dr. Martin Luther King, also will be named. The theme of this year's program will be "The King Legacy...Reexamining the Dream."

Tickets are $15 for adults and $7.50 for children. For more ticket information, contact the Paul Robeson Cultural Center at (814) 865-1779.

WPSX-TV program

Les Brown came up the hard way. He has risen from the ranks of poverty to become one of America's leading motivational speakers.

His hunger to learn and his passion for self-improvement enabled him to become a community activist as well as a state representative serving three terms in the Ohio State Legislature.

Brown shares the lessons he has learned and other experiences in three public television specials, "You Deserve...with Les Brown," "Live Your Dreams...Get past Your Fears...with Les Brown," and "The Power to Change...with Les Brown," airing Saturday, Dec. 7, from 9 a.m. to 12:30 p.m. on WPSX-TV.

Diversity Opportunities Calendar

Monday, Dec. 2
National Organization for Women, 7 p.m., Schlow Library. General meeting.

Wednesday, Dec. 4
Center for Women Students, noon, 120 Boucke Building. Film/discussion titled "Identifiable Qualities: Toni Morrison." LaVern Gyant, Black studies interim director, will lead the discussion.

Thursday, Dec. 5
Commission for Women, 1:30 to 3:30 p.m., 156 Hammond Building. General meeting. For more information, contact Tracy Leitzel at 863-3342.

Ranking

(Continued from Page 1)

graduate students," Charles Hosler Jr., senior vice president for research and dean of the Graduate School, said.

"This ranking has been one of the encouraging factors in the decision to develop the Penn State Research Park; groundbreaking for the first phase is planned for early winter. American universities have played significant roles in the economic revitalization of their states through the establishment of research parks and close ties to industry and their product and production concerns."

The other Pennsylvania university in the top 10 was Carnegie-Mellon, which ranked ninth with $20.295 million.

After Penn State, the University of Michigan ranked third with $27.128 million, followed by Texas A&M, $26.197 million; the University of Washington, $22.215 million; North Carolina State, $21.398 million; Georgia Institute of Technology, $21.256; the University of Illinois, $20.762; Carnegie-Mellon, $20.295; and the University of Southern California, $18.896.

Penn State's $34.806 million in industry-sponsored research represents approximately 14 percent of its total 1990 research expenditures of $256.9 million.

Stone

(Continued from Page 1)

Americans earned him respect from many, including a number of African/Black American criminal suspects. In 1977, many African/Black American criminal suspects began to surrender to Mr. Stone before contacting the police.

A total of 73 fugitives have surrendered to him since that time. The number was so impressive, he was the subject of Wall Street Journal and Boston Globe profiles. Recently, the television program "America's Most Wanted" also recognized him.

Mr. Stone has received numerous awards and honors. He is the author of three books: *Tell It Like It is, Black Political Power in America* and *King Strut.*

Committee to monitor quality improvement initiatives

President Thomas and Executive Vice President and Provost Brighton have appointed a committee to monitor and coordinate quality improvement initiatives across the University.

The University Committee on Continuous Improvement, chaired by **G. Gregory Lozier**, executive director of the Office of Planning and Analysis, has been asked to examine continuous quality improvement concepts and methodologies; to provide speakers and education programs on continuous quality improvement, and to facilitate the continuous improvement activities initiated by individual units of the University.

According to Dr. Brighton, "The quality of the total educational experience is the key issue in achieving our vision of Penn State, " Dr. Brighton said. "To address this issue, it is important for the University to focus on the continuous improvement of quality in all of its operations."

Continuous quality improvement principles and methods have been credited for some time as the foundation of Japanese industrial success, and for the past decade have been practiced increasingly in corporate America. American business and industrial leaders are now asking colleges of business and engineering to integrate these improvement concepts and practices into their undergraduate and graduate curricula so that graduates will be prepared to work on the continuous improvement teams that are becoming the operational standard in many corporations.

Many corporate leaders also are encouraging colleges and universities to consider quality improvement techniques as a way to enhance effectiveness in a variety of operations.

Such major institutions as the University of Pennsylvania, Oregon State University, the University of Wisconsin at Madison, the University of Michigan, the University of Minnesota, and the University of Maryland already are exploring the applicability of continuous quality improvement techniques.

According to Dr. Lozier, "At Oregon State and the University of Pennsylvania, these methods have been applied primarily in the non-academic support areas of finance and administration," Dr. Lozier said. "They have resulted in streamlined processes, reduced time cycles, and substantial cost savings in such processes as physical plant renovations, research accounting and billing, registration, mail room operations, and trash removal."

He observes further that it remains to be seen how these concepts can be used to improve the quality of the academic process. "We anticipate that Penn State's initial continuous quality improvement teams will focus on processes in a variety of support operations. These processes influence at least indirectly our capability to perform the University's primary functions of teaching, research, and service."

Members of the committee are **Robert E. Dunham**, senior vice president and dean of the Commonwealth Educational System; **Gregory L. Geoffroy**, dean, Eberly College of Science; **J.D. Hammond**, dean, The Smeal College of Business Administration; **C. Gregory Knight**, vice provost and dean, Office of Undergraduate Education; **Catherine Lyons**, administrative fellow, Office of the President; **Laura Beth Raiman**, assistant professor of industrial engineering; **James H. Ryan**, vice president, Continuing Education; **James F. Smith Jr.**, chair-elect, University Faculty Senate, and professor of English, Penn State Ogontz; **Gary C. Schultz**, assistant vice president for operations and services; **Peter B. Weiler**, assistant vice president and executive director, Alumni Association; **Carl H. Wolgemuth**, acting dean, College of Engineering; and **James M. Wagner**, vice president for business and operations. **Del Sweeney**, special assistant to the executive vice president and provost, is providing staff support to the committee.

Audio-Visual celebrating 50th anniversary

Audio-Visual Services, one of the nation's largest university media libraries, currently is celebrating 50 years of service to Penn State and the nation. Established under the direction of **I.C. Boerlin** as an Office of War Information film distribution site, the department began with only two "motion picture operators" and 331 16mm films in the inventory.

Today, the library employs approximately 50 people and consists of a 16,000-title main collection and several specialized collections, such as the internationally recognized Psychological Cinema Register (PCR).

Audio-Visual Services also houses the Japan Foundation film collection, and administers programming for the American Association of Teachers of German, the College of Agriculture, the Pennsylvania Public Libraries Film Center, and the Pennsylvania Department of Aging. The North American repository for the Encyclopedia Cinematographica, a German research collection of 16 mm films dealing with anthropology and the biological and technical sciences, also is housed in the library.

Audio-Visual Services offers its vast resources to the University community for classroom use and research, and makes available most of its media on a rental basis to other colleges and universities in the United States. Most of Audio-Visual Services' holdings are accessible to faculty, staff, and students through the University's Libraries Library Information Access System (LIAS).

During the past 50 years of service, three directors have served Audio-Visual Services. **Thurston "Duke" Reeves** followed **Irv Boerlin** in 1964 and **Robert L. Allen** has held the position since 1976.

News in Brief

Library hours
Pattee Library at University Park is offering extended hours in the Reserve Reading Room and East Pattee floors 1-4 during final exams, Dec. 6-14.

Hours for these areas in Pattee will be: 7:45 a.m. to midnight, Dec. 6; 8 a.m. to midnight, Dec. 7; 9 a.m. to 2 a.m. Dec. 8; 7:45 a.m. to 2 a.m., Dec. 9 through Dec. 12; 7:45 a.m. to midnight, Dec. 13. Pattee will be open 8 a.m. to 5 p.m. Dec. 14.

Pollock Library will continue its 24 hour service Dec. 6-13. It will close at 5 p.m. Dec. 14 and reopen on Jan. 13. Pattee will be closed Dec. 15, 21, 22, 24, 25, 28, 29, and Jan. 1. For information on hours of service during the Christmas holiday and intersession, please call 865-3063.

Retirement reminder
The last day University offices, except for essential services, will be open in December is Friday, Dec. 20. Anyone in the State Employees Retirement System interested in retiring under the provisions of Act 23 ("Mellow Bill") must contact the Benefits Office in Rider Building by that date.

Request for Proposals
The Center on Aging and Health in Rural America is requesting proposals for the third round of competition of pilot research projects to be funded by the Center. The research projects should focus on issues related to the health and effective functioning of older rural populations in the United States.

The competition is open to all University faculty. Deadline for submission of a letter of intent is Jan. 24, 1992. Final proposals are due March 30, 1992.

For a copy of guidelines, call the center at 863-2938. Questions about the competition should be directed to Diane McLaughlin, deputy director of CAHRA.

Program on head injuries
The Office of Veterans Programs is sponsoring a lecture titled "Head Injuries: the Impact on the Individual, the Family, and the Community" at 1:30 p.m., in 112 Kern Building, University Park. Joseph Geiger, executive director of the Keystone State Head Injury Foundation, will speak.

Penn State Bookstore
The Penn State Bookstore on Campus is having its annual Faculty/Staff/Student Appreciation Sale through Dec. 20. The bookstore is offering 25% off on almost every item in the store, including general books, Penn State clothing and gifts, pens and stationery and many other items.

The bookstore is open from 8 a.m. to 8 p.m. Monday through Thursday; 8 a.m. to 5:30 p.m. Friday; 9 a.m. to 5 p.m. Saturday and noon to 4 p.m. on Sunday. The Bookstore will be closed at the end of the business day Dec. 20 until Jan. 2 when the University resumes operation.

Questions regarding the Appreciation Sale may be directed to the Bookstore, Customer Service at 863-0205.

Private Giving

Fund-raising campaign for Academic /Athletic Convocation and Events Center hits halfway mark

The University's campaign to raise $20 million in private support to help build the Academic/Athletic Convocation and Events Center has nearly reached the halfway point, according to volunteer chairman **Edward R. Hintz**.

Gifts and pledges now total about $9.7 million. Centre County residents and businesses have contributed $2.5 million, or 26 percent of the total.

"We are very pleased with the campaign's progress, because our fund-raising effort has been under way only since April," said Mr. Hintz, who graduated from Penn State in 1959 and is president of the New York investment firm of Hintz, Holman and Hecksher.

He paid special tribute to the leadership of local business leaders Sidney Friedman and John Walizer, who are regional co-chairs of the Centre County effort.

"Sid and John have done a marvelous job, and their commitment and enthusiasm has inspired our regional chairs in other parts of the state and nation," he noted.

Mr. Hintz explained that solicitation efforts have peaked in Centre County and other regions are now becoming more active.

"Centre County gave our campaign the momentum it needed to expand across Pennsylvania and into major metropolitan areas around the country," he said.

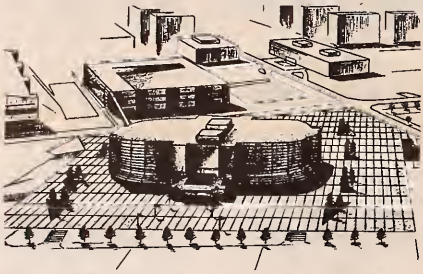
The Convocation Center, which will be used for a wide variety of academic, professional, cultural and athletic events, is expected to be open by 1994-95. It will cost about $55 million. The state legislature has authored $33.8 million for the project.

Major commitments to date include:

- $250,000 from Penn State alumni **John T. and Nancy Steimer** of Tidioute. Mr. Steimer, a 1949 graduate of the School of Forest Resources, is a former president of Penn Glenn Oil Co., which he joined in 1955, and Industrial Terminal Systems, a contract packager of petroleum products and chemicals.
- $250,000 from **Mid-State Bank and Trust Co.** of Altoona and its parent company, **Keystone Financial**. Mid-State offers a variety of commercial and consumer financial services through 31 offices in Blair, Bedford, Centre, Clearfield and Huntingdon counties. It is one of three banks that are part of Keystone Financial, a holding company. The holding company, headquartered in Harrisburg, through its subsidiaries operates 93 offices in 20 central Pennsylvania counties. **William J. Rossman**, Mid-State's president and chief executive officer, serves on the campaign's volunteer fund-raising committee.
- $200,000 from **Robert** and **Elouise Eberly** of Uniontown, Pa. Elouise Eberly, a registered nurse and a trustee of the Uniontown Hospital, serves as a member of the volunteer committee of Penn State's Campaign for Hershey.

Robert Eberly is a member of the campaign's volunteer fund-raising committee. He also serves as treasurer of the National Development Council, the University's highest-level fund-raising advisory body.

- $125,000 from **Peoples National Bank of Central Pennsylvania**. Peoples Bank, an affiliate of State College-based Omega Financial Corp., operates 16 full-service offices in Centre and Clinton Counties. **David B. Lee**, the bank's president and chief executive officer, also is a member of the campaign's volunteer fund-raising committee.
- $125,000 from **United Federal Bank**, a $700 million bank with 15 offices throughout central Pennsylvania. **Charles C. Pearson Jr.**, president and chief executive officer of the bank and its parent, United Federal Bancorp, also serves as a member of the volunteer committee that is providing leadership for the fund-raising campaign.
- $100,000 from **Galen Dreibelbis**, State College-area businessman, three-term (1971-77) state legislator, and owner of Nittany Farms. Mr. Dreibelbis also is a member of the Convocation Center fund-raising committee and the College of Agriculture's advisory council.
- $100,000 from Pittsburgh-area business executive **Charles T. Koval** and his wife, **Karen**. Mr. Koval, a 1955 Penn State graduate, is co-founder and board chairman of Coraopolis-based Atlas Energy Group, a large independent oil and gas producer in the Appalachian basin. A longtime benefactor of Penn State athletics, he also served as volunteer chairman of the annual fund for the College of Education and on the National Campaign Committee of the Campaign for Penn State.
- $100,000 from State College home builder **Robert E. Poole** and his wife, **Sandra**. Mr. Poole, a 1972 graduate of The Smeal College of Business Administration, is president of S&A Custom Built Homes and was active in the Community Challenge segment of The Campaign for Penn State.
- $100,000 from **G.M. McCrossin**, founder of Bellefonte-based G.M. McCrossin Inc., one of central Pennsylvania's largest construction firms. He now serves as consultant to the company, whose Penn State projects have included Shields Building and the Palmer Museum of Art.
- $100,000 from **David L. Stroehmann Sr.** of Williamsport. He was senior vice president with Stroehmann Baking Co. until it was sold in 1979. He now is president of Williamsport-based Stroehmann Enterprises, and oversees a variety of businesses, including a leasing company, a management consulting firm, and a capital venture company.
- $100,000 from Penn State alumni **Robert A.** and **Mary Szeyller** of State College. Robert Szeyller is president and managing partner of the Pennsylvania Financial Group, a firm that offers financial, tax and benefit planning services and products to professionals and corporations.
- $75,000 from State College-based highway and paving contractors **Glenn O. Hawbaker Inc.**, **Daniel R. Hawbaker** is president of the company, a major contractor in central Pennsylvania. It also supplies stone aggregates and asphalt from its paving subsidiaries.
- $50,000 from **Raymond** and **Rose Agostinelli**, State College. Mr. Agostinelli is president of McLanahan's Drug Store Management co. Inc., which has provided pharmacy and general merchandise services to Penn State students and residents of the State College area for more than 50 years.
- $50,000 from **Donald Hamer** of State College, president of State of the Art Inc., of State College, a microelectronics manufacturing firm. He holds a bachelor's degree in electrical engineering from Penn State and degrees from the University of Chicago and the University of Illinois.
- $50,000 from **Charles** and **Jeanne Rider** of State College. Mr. Rider is chairman and president of Rider Auto Inc., and owner of Rider Real Estate. The Riders have been major benefactors to the University for many years.
- $50,000 from **Samuel I. Sidewater**, executive vice president of new business, Charming Shoppes, Inc. Mr. Sidewater graduated from Penn State in 1959 with a bachelor's degree in business administration. After a brief stint with Macy's Department Store in New York, he joined Bensalem-based Charming Shoppes, a family-operated retailing business that was founded by his father, Morris, and his uncle, Arthur, in 1942.



Artist's rendering of new Convocation Center to be located near Beaver Stadium

University Interest Houses keep students in touch with faculty through living experience

The University's Interest House program is going strong with more than 700 student members and 12 houses in residential halls across campus.

According to Karen Feldbaum, acting associate director, the faculty associates are one reason the houses are so popular.

"Students like the chance to meet faculty informally and like living with other students who have similar interests," Ms. Feldbaum says. "The educational, developmental and social programs offered by the interest houses recognize that a great deal of a student's learning occurs outside the formal classroom."

Since 1971, faculty associates have spent time with students in informal discussions, eating in the dining halls and sometimes going on field trips to help students make connections between the classroom and the rest of their lives.

Barry Kur, associate professor of theater, has been with the Interest House program for five years.

"The houses give students a sense of community, friendship and closeness at a campus that can be overwhelming," he says. "Being a faculty associate has been such a positive experience. I am impressed by how focused many students in the program are. Most faculty don't get to see that because they only know students in the classroom."

Staff in the Office of Residence Life, the coordinator and student resident assistants work with faculty associates and interest house officers to plan educational and social programs — everything from arranging to have a major campus speaker meet informally with interest house students to discussing research projects and social events, as well as helping students find jobs after graduation.

The activities of faculty associates differ according to their style and interests and the needs of the interest house. Most attend occasional house meetings, have dinner with the members about once a week and drop in some weekends for a visit. Some faculty are associates for years, others volunteer for as long as their schedules permit.

"We've had a number of calls recently from faculty members asking how to become an interest house associate," Ms. Feldman says. "We are always looking for faculty who are interested in doing programs and meeting with students in the residence halls. On occasion, we also are in search of new faculty associates."

Faculty members interested in finding out more about the Interest House program or who would like to volunteer to do a program, may contact Karen Feldbaum at 863-1710.

Penn State Interest Houses and current faculty associates are:

Arts and Architecture, Leet Hall, Barry Kur; Business and Society, Leet Hall, Anthony Verstraete; Earth and Mineral Sciences, Irvin Hall, Gary Burkle; Engineering and Applied Sciences, Beaver Hall, Richard Queeney; Health and Human Development, Beaver Hall, William Parsonage; International Cultures, Leete Hall, Bruce Murphy;

Life Sciences, Runkle Hall, Robert Walker; Martin Luther King Jr., Beaver Hall, LaVerne Gyant; Renaissance, Beaver Hall, John Matthews; Science, Technology and Society, Jordan Hall, Manfred Kroger; Social and Self Awareness, Beaver Hall, Bruce Bullington.

The International Languages House in Leete Hall has a different structure with French, German and Hispanic graduate students in place of a faculty associate. This year they are H.J. Manzari, Laurent Waechter and Britta Dreessen.

"The houses give students a sense of community, friendship and closeness..."
Barry Kur

Nominations being sought for Faculty/Staff Achievement Awards

President Thomas will appoint a general committee chaired by Billie S. Willits, assistant vice president for human resources, to solicit nominations for the Faculty/Staff Achievement Awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, the Barash Award for Human Service, and the Penn State Equal Opportunity Award.

Four subcommittees will screen nominations and develop recommendations for the respective awards.

Nominations for the 1992 awards are encouraged from University and local community organizations and individuals. Nominators should contact the Office of Human Resources at 865-1412 to request a copy of a standardized format for submitting nominations. Nominations should be sent to Billie S. Willits, Box 6 Rider Building, no later than Thursday, Jan. 16, 1992. Supporting information which accompanies nominations should be as brief as possible.

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a $500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University.

The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties.

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of $500, is made annually to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence.

The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. It is an annual award to a full-time member of the faculty, staff, or student body of the University at University Park who has contributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the Borough of State College, College, Patton, Harris, or Ferguson Townships.

Any full-time person at the University Park Campus who meets the criteria for the award as previously described is eligible for consideration. The award carries a stipend of $1,000.

The Equal Opportunity Award is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

The award, consisting of $1,500 stipend and certificate, is given in recognition of meeting one or more of the following criteria:

— demonstrated commitment to the spirit of equal opportunity through affirmative action

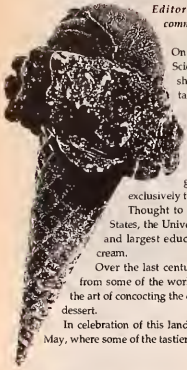
— demonstrated leadership in the elimination of discrimination through encouragement of understanding between persons of different races, sexes, age groups, ethnicity, or religious heritage

— demonstrated commitment to meeting the special needs of students, faculty, or staff who are members of traditionally underrepresented groups.

To be eligible for the award, full-time University faculty and staff must have at least two or more years of active service.

100 years of a delicious tradition

Penn State's Ice Cream Short Course thrives



Editor's note: This page is part of a special celebration commemorating 100 years of ice cream making at Penn State.

On January 6, food scientists in the College of Agricultural Sciences will kick off the annual two-week long ice cream short course, marking the 100th year the course has been taught.

Beginning in 1892, when Penn State was known as The Pennsylvania State College, the School of Agriculture offered a class in dairy manufacturing during winter, "when farm work is least pressing and the boys can best be spared." By 1925, the popularity of ice cream had grown so much, that a separate course devoted exclusively to the subject was founded.

Thought to be the first continuing education course in the United States, the University's ice cream short course is the oldest, best-known, and largest educational program in the science and technology of ice cream.

Over the last century, Penn State faculty have instructed representatives from some of the world's best-known ice-cream manufacturing companies in the art of concocting the delicious frozen treat that has become America's favorite dessert.

In celebration of this landmark occasion, a Centennial Conference is planned for May, where some of the tastier events will be open to the University community.

Short course facts

- In 100 years, the short course has had only a handful of directors. **Dr. Chester Dahle** took chage of the course in 1924. He was succeeded by **Dr. Philip Keeney** (Keeney Beeney chocolate's namesake). When he retired in 1985, **Dr. Arun Kilara** assumed leadership.

- Each year about 130 students from all over the world attend the program. In its 100-year history, the course has attracted more than 3,500 participants from every state in the nation and every continent except Antarctica.

- The student roster reads like a *Who's Who* of ice cream. Participants represent Baskin-Robbins, Ben and Jerry's, Borden, Breyers, Carnation, Colombo, Good Humour, Haagen-Dazs, Hershey, International Dairy Queen, Kraft, Sealtest, Schrafft and many other well-known ice cream manufacturers, as well as those from mom-and-pop operations.

Source: The College of Agriculture, Office of Agricultural Information Services

No. 1 choice of consumers

Plain old vanilla is the ultimate challenge for ice cream makers

In the world of ice cream, flavors like chocolate raspberry truffle, jamoca almond fudge and rocky road sound exotic and mouthwatering, but its plain old vanilla that remains No. 1 with consumers worldwide, according to a University food scientist.

Often seen as synonymous with dull, vanilla not only claims the top spot among ice cream eaters, its delicate flavor is also the true test of taste for ice cream connoisseurs, says **Arun Kilara.**

Dr. Kilara is head of the University's annual Ice Cream Short Course — now celebrating 100 years of teaching the art of ice cream making to the likes of Ben and Jerry, and representatives from Baskin Robbins, Borden, Breyers and International Dairy Queen, to name a few.

The university teaches industry heavyweights how to meet the ultimate vanilla challenge.

"In making ice cream, vanilla is the hardest flavor to master," Dr. Kilara says. "A vanilla flavor lays bare the sins of the mix or defects that other flavors can mask."

Dr. Kilara explains that ice cream flavors like chocolate, the No. 2 choice of Americans, have a taste so powerful that any mistakes made in production can be easily hidden. With vanilla, the hint of flavor is mild, making inferior ingredients readily identifiable.

The food scientist notes that like wine connoisseurs who prefer a plain red vintage to mull, true ice cream aficianados rely on the taste of vanilla to satisfy their ice cream desires.

According to the International Ice Cream Association, vanilla accounted for one-third of the 816 million gallons or $9.3 billion worth of ice cream consumed in the United States alone in 1990. In countries like Finland, Australia, New Zealand and Canada — all ranked for their per capita consumption of the frozen delight — vanilla is still No. 1 holding top share of the total 175 million gallons consumed there last year.

Dr. Kilara, who has been teaching ice cream manufacturing for 13 years and is one of only three directors in the 100-year history of the short course, says a savory vanilla ice cream should be prompt in its flavor delivery, yet just as quickly the flavor should disappear leaving no aftertaste.

In this 1956 photo, creamery workers in the ice cream freezing room look on as Superintendent George Dreibelbis (right) inspects products. Dreibelbis was superintendent for 22 years.

"I always say that if a person can make a good vanilla, then they can make anything — from bubblegum to double chocolate chip."

Capturing the elusive, delicate flavor of vanilla is only one of the many subjects covered during the 1992 short course held Jan. 6-16 at University Park Campus.

In addition to teaching the 140 participants the art of ice cream making, the course will also introduce them to the newer aspects of the frozen dessert market such as the increasingly popular no-fat products. It will also focus on storage, distribution and computerized mix making.

In the past, Penn State's Ice Cream Short Course has attracted students from as far away as Brazil, Egypt and Swaziland. In the last 100 years, Penn State's ice cream program has served more than 3,500 participants with vastly different backgrounds. To celebrate its ice cream centennial, the University also plans a conference May 3-6 where trends in production and marketing, as well as a host of other issues.

-- **Lisa M. Rosellini**

Awards

Faculty and staff reap EDUCOM honors for software packages

University faculty and staff members have been honored with major awards in the fifth annual EDUCOM Higher Education Software Awards program.

There were 116 software packages submitted in this year's competition, with 11 awards granted overall—eight "Distinguished" and three "Best."

Of the three entries to receive the program's highest level recognition, the Best Humanities (Writing) Software Award went to "Background and Analysis of Martin Luther King, Jr.'s 'Letter from Birmingham Jail'."

The project was developed by **Melbourne J. DeYoung**, instructor in English, and the team of **Marilynne W. Stout**, **Lorinda L. Brader**, and **Evette E. Bazemore**, of CBEL—The Teaching and Learning Technologies Group. The group, located in the Center for Academic Computing, produces courseware.

"Background and Analysis of Martin Luther King, Jr.'s 'Letter from Birmingham Jail'" was judged especially noteworthy in its use of multimedia and hypermedia tools to create an integrated learning environment for the study of basic issues in rhetoric and writing.

Text, digitized voice, digitized still images, and video are all joined via a rich set of tools for the study and analysis of the writing strategies that Dr. King used to construct his now famous letter.

The awards program judges said the software provides an excellent example of the kind of interactive, multi-media, tool-linked compound documents that are becoming significant alternatives to the common standard textbook.

Among the competition's eight distinguished award winners was "The Evolution of Spanish Sounds Part II: Consonants in Combination," which received the Distinguished Humanities (Foreign Language) Curriculum Innovation Award. It was developed by **Donna M. Rogers**, assistant professor of Spanish, and **Lawrence C. Ragan**, and **Lorinda L. Brader**, of CBEL—The Teaching and Learning Technologies Group.

The Evolution of Spanish Sounds utilizes a Hypercard stack that has completely replaced homework assignments in the course. For every basic language sound, the stack shows the evolution of the sound from classical to vulgar Latin and then to old Spanish. At any point the learner can call for test items to check memory and recall.

EDUCOM is a consortium of 630 colleges and universities and 110 corporations. The awards program was established in 1987 to improve the quality of educational software and to promote the effective use of computer technology in higher education.

Five projects selected

University participants fare well in national education challenge

The University was well represented in a national challenge to investigate whether information technology is making a difference in higher education.

Five Penn State projects were among the 101 chosen nationally as part of the Joe Wyatt Challenge sponsored by Educational Uses of Information Technology, a program of EDUCOM, which is a consortium of 630 colleges and universities and 110 corporations.

Judith Boettcher, chair of the challenge committee, serves as assistant director of Education Technology Services at the Center for Academic Computing.

"That so many Penn State projects made it to the list of 101 top efforts in the nation is a credit to the quality of the faculty, staff and resources at Penn State," she said.

A committee of 28 educators across the country spent nine months narrowing the list of almost 300 entries down to the final 101 winners.

"The assumption that computers can improve teaching and learning in the classroom is widely accepted," Dr. Boettcher said, "but this challenge was designed to provide evidence for that argument."

The five Penn State projects that have been cited by EDUCOM are:

— Speech Communications 350, Group Problem Solving, **Gerald Phillips** and **Gerald Santoro**, Speech Communications.

The Speech Communication 350 project (SPCOMM-350) applied computer mediated communication technology to a course in group problem solving. Students are given accounts on the university academic mainframe computer and hands-on training in file management, text editing, electronic mail, and conferencing.

The course professor delivers an introductory lecture and an end-of-semester lecture, and all remaining contact is done exclusively through electronic mail. Students are put in small groups and complete an assignment that requires group communication and problem-solving, simulating the kind of group task that might be assigned in a corporate environment. SPCOMM-350 has become a permanent offering at Penn State and is one of the most popular liberal-arts courses. It has also had the additional advantage of permitting a partially handicapped faculty member to continue productive teaching and research.

—Computer-Based Design Studios in Landscape Architecture, **Timothy Johnson**, Arts and Architecture.

Penn State is integrating computer-based design into its design studios, with a focus on using a computer in the conceptual and development stages of the design process, not on creating working drawings. Students learn to develop and communicate their design ideas using the computer to generate alternatives and then to create illustrative plans, sections, elevations, and perspectives.

— Elemental and Advancement Modules in Scaleup Planning, **Robert L. Kabel**, Chemical Engineering.

The Elemental and Advanced Modules in Scaleup Planning are being used for undergraduate instruction in chemical engineering. They consist of tutorials, simulations, and educational tools for sophisticated economic analysis in the unified context of scaleup of a light hydrocarbon refining process.

The modules are designed to enable students to experience, through open-ended exploration, the relationships among risk and reward, planning and impact, and market timing.

— English 202 Initiative: Computers in Composition, **John Harwood**, English.

By investing in this initiative focusing on English 202, a required advanced-composition course, Penn State has influenced the education of every undergraduate.

The project was geared toward reaching many students in a short time. Instead of creating new courseware, it demonstrated how much can be done to enhance advanced writing courses using fairly standard, off-the-shelf equipment and software. Similarly, sophisticated networks of computers were not created either in the classroom or the labs, partly because the project was geared toward such a large scale, but mostly because the writing pedagogy at that time did not require an elaborate infrastructure.

The course required significant training and support for faculty members and students alike, as this was the first exposure to microcomputers for many English faculty members.

— Implementing Modeling in Undergraduate Optimization. **Terry P. Harrison**, Management Services.

This project applied an algebraic modeling language, the Generalized Algebraic Modeling System (GAMS) in teaching undergraduate modeling. By using this software, the project removed the tedious and time-consuming burden of software development from model generation and report writing. The result was that students could focus on the use of modeling rather than programming, and explore the effects of various modeling approaches.

Focus on the arts

Symphonic Band

The Penn State Symphonic Band will perform in concert at 7 tonight in the Hetzel Union Building Ballroom at University Park.

The program will include "Four Scottish Dances," by Malcom Arnold, "Irish Tune from County Derry" and "Shepherd's Hey," by Grainger, "La Fiesta Mexicana," by Owen Reed, a Christmas medley and a Sousa march.

An arrangement of Gershwin works and Wagner's "Elsa's Procession to the Cathedral from Lohengrin" will complete the program.

Ned C. Deihl, director of bands and professor of music education, and Jack Schmidt, graduate assistant, will conduct the Symphonic Band

'Christmas in Brass'

University Brass will present its fifth annual "Christmas in Brass" concert at 8:30 tonight in the School of Music Recital Hall at University Park.

The program will include the "Earle of Oxford's March," arrangements of the "Singer's Unlimited Christmas Album" and a sing-along in which the audience may participate.

Mark L. Lusk of the School of Music faculty directs the 25-member ensemble.

'M. Butterfly'

"M. Butterfly," a play by David Henry Hwang, will be performed at 8 p.m. Friday, Dec. 6, in Eisenhower Auditorium at University Park.

The play, which won the 1988 Tony Award for best drama, is based on events surrounding a 1986 espionage trial, and is not to be confused with Puccini's opera "Madama Butterfly."

The Center for the Performing Arts is asking its patrons for additional generosity this holiday season. Donations of canned or non-perishable food items will be accepted during the December performances. All proceeds will benefit the Food Bank of State College.

Prices for "M. Butterfly" are $26, $22 and $20 for adults; $22, $18 and $16 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Holiday concert

The Penn State Women's Chorus, Glee Club and Singing Lions will present a holiday concert at 8 p.m. Friday, Dec. 6, in Schwab Auditorium at University Park.

The Women's Chorus, which includes 90 music and non-music majors, will sing works by Morales and Brahms, as well as Randall Thompson's "Carol of the Rose" and Praetorius's "Lo, How a Rose E'er Blooming." The Keynotes, a 22-voice chamber choir drawn from the Women's Chorus, will perform works by Morley, Vaughan Williams and Holst. Both groups are directed by Elizabeth S. Tilghman, a graduate student in the School of Music.

The Penn State Glee Club, directed by Bruce Trinkley of the School of Music faculty, will perform "Silent Night," Irving Berlin's "White Christmas" and Trinkley's arrangement of "Three Venezuelan Carols." The Hi-Lo's, a 14-man specialty group, will perform "What Child Is This" and "Carol of the Bells."

The Singing Lions, directed by Peter Kiefer of the School of Music faculty, will perform "Twas the Night Before Christmas," "Home for Christmas," "Angels We Have Heard on High" and "Jingle Bells."

Art School open house

The students, faculty and staff of the Saturday Morning Art School will hold an open house from 9 to 11 a.m. Saturday, Dec. 7, in Chambers Gallery, on the second floor of Chambers Building at University Park.

Works by students will be on display. There will be a media presentation describing the art school's classes. Art activities in which everyone may participate are planned.

The Saturday Morning Art School offers classes for preschoolers through adults. Classes are taught by students enrolled in fourth-year art education courses, under the direction of Robert Ott of the School of Visual Arts faculty.

HUB Art Galleries

A number of exhibits are on display until Dec. 8 in the Hetzel Union Building Art Galleries at University Park.

The paintings of Jean P. Kizina and Benjamin A. Saggese are on exhibit in the Formal Gallery. The exhibit, "Best of Two in Ten," shows Ms. Kizina's acrylic paintings of distinctive, geometric abstracts. Mr. Saggese's work consists of realistic and impressionistic paintings that contain figures which are not obvious at first glance, and that tend to blend into the background.

Annette Shirey McHugh's Chinese Brush Painting on rice paper are being shown in the Browsing Gallery. "Journey East" features paintings that reflect the traditional Chinese brush painting style.

Clay by Monika Modes is on display in the Art Alley Cases. In her clay wall pieces the surface functions as a canvas. Her frequent use of multiple components allows her to playfully explore possible arrangements once the individual elements are completed.

The photographs of Michael Mutmansky and Jason Knievel are on exhibit on the Art Alley Panels. The exhibition, "Sliprock," consists of photographs depicting the rock formation of the Southwest, the characteristics of rocks, and things associated with rocks.

The Hetzel Union Art Galleries are open from noon to 8 p.m. Tuesday through Thursday, and noon to 4 p.m. Friday through Sunday. They are closed on Monday.

In December "Art to Go," the collaboration between Peoples National Bank and the Palmer Museum of Art, will feature Winter Landscape with Figures, by Dutch painter Remigius-Adrianus van Haanen in the lobby of the bank's Allen Street and Calder Way branch.

Pattee exhibit

The exhibit, "Figurative Work," by Ningyu Jiang is being held in Pattee Library's West Lobby Gallery through Dec. 10.

Ms. Jiang received an M.F.A. from Texas Christian University in 1990 and currently is a graduate student in the Department of Art Education. Her work has been displayed in a number of exhibitions in Beijing and Mongolia, China, and in Fort Worth, Texas.

"Figurative Work" is the artist's first exhibit at Penn State and includes two self-portraits and figure drawings done in a variety of media.

'Art to Go'

As part of ongoing collaboration between Peoples National Bank and the Palmer Museum of Art, "Winter Landscape with Figures," by Dutch painter Remigius-Adrianus van Haanen, will be on display in December in the lobby of the bank's Allen Street and Calder Way branch, State College.

The oil-on-board painting of a somber, snow covered landscape is characteristic of van Haanen's work. His talent for landscape painting and printmaking was recognized throughout 19th-century Europe.

The painting is one of 33 given to the Palmer Museum of Art in 1986 by Helen Adolf, professor emerita of German. Collected in Austria by Dr. Adolf's father, the paintings primarily are the works of Austrian and German minor masters.

As part of the continuing "Art to Go" exhibition, the public is invited to view this and a new work each month from the museum's permanent collection at Peoples National Bank. Funding for "Art to Go" is provided by the Friends of the Palmer Museum of Art.

University Park Calendar

December 5 -- January 12

Special Events

Thursday, December 5
Bach's Lunch Concert, 12:10 p.m., Eisenhower Chapel. Voice Students of Suzanne Roy.
School of Music, 7 p.m., HUB Ballroom. Penn State Symphonic Band. Also 8:30 p.m., Recital Hall. Christmas in Brass.
Friday, December 6
Classes end.
Concert, noon, Kern Lobby. Lynn Kovel, holiday music on the piano.
'A Christmas Carol,' Tony M. Lentz, 8 p.m., Nittany Lion Inn Fireside Room.
Central Pa. Women of Color, Winter Ball, 8 p.m., Nittany Lion Inn. Tickets, 237-7273, 863-4921.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. M. Butterfly.
School of Music, 8 p.m , Schwab Aud. Christmas Choral Concert.
Saturday, December 7
School of Visual Arts, open house, 9 a.m.-5 p.m., Chambers Gallery.
Shaver's Creek, 1-4 p.m., Wreath Making Workshop. Also Dec. 8. Call 863-2000.
Sunday, December 8
Veterans Programs, 1:30 p.m., 112 Kern. Joseph Geiger, Keystone State Head Injury Foundation, on "Head Injuries: the Impact on the Individual, the Family, and the Community."
Saturday, January 11
Fall commencement, Arts and Architecture, Bus. Admin., Earth and Mineral Sciences, The Liberal Arts, Science, Assoc. Degrees, 10 a.m., Rec Hall; Ag, Communications, Ed., Eng., Health and Human Dev., 1:30 p.m., Rec Hall; The Graduate School, 4:30 p.m., Eisenhower.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Dec. 9. Well Control Refresher Course. Stanley Supon, chair; Eric Loop, coordinator.
Dec. 10 and 12. Pa. Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Seminars

Thursday, December 5
■ Slavic Center Luncheon Seminar, noon, 124 Sparks. Allan Rodgers, prof. emeritus geog., on "Prospects for Development in the Soviet Far East."
Physics Colloquium, 3:30 p.m., 55 Osmond. Y.R. Shen, Univ. of Calif. at Berkeley, on "Surface Interfacial Studies by Nonlinear Optics."
Ecology, 3:45 p.m., 8 Mueller. Neil H. Ringler, SUNY Col. of Env. Sci. & Forestry, Syracuse Univ., on "Onondaga Lake, N.Y.: Ecology of a Polluted System."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Musheng Wei, East China Normal Univ., on "The Total Least Squares Problem With More Than One Solution: Solutions, Perturbation Analysis and Relations With The Least Squares Problem."
Friday, December 6
School of Forest Resources, 11:15 a.m., 124 Ag Eng.
Neil H. Ringler, SUNY Col. of Env. Sci. & Forestry, Syracuse Univ., on "Natural Reproduction by Salmon and Steelhead in Lake Ontario Tributaries: Does It Matter?"
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Nese Sari on "Rotational Diffusion and Molecular Shape."
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Craig Anthony on "Application of a Geographic Information System to an Agronomic Research Facility."
■ Geog. Coffee Hour, 4 p.m., 319 Walker. Nadia Van Miller, United Nations Committee on Global Change, on "Sounds Like Morning, But Heated Up On A Large Scale." Refreshments, 3:30 p.m.
Tuesday, December 10
Graduate Program in Nutrition, 4 p.m., 108 Tyson. Shiriki Kumanyika on "Weight Control Issues for African American Women."
CAMP, 4 p.m., 339 Davey. Tony F. Heinz, IBM, on "Electronic Structures and Dynamics of Semiconductor Surfaces Probed by Optical Second Harmonic Generation."

Clay pieces by Moniko Modes, left, and the photographs of Michael Mulmonsky and Jason Knievel are on exhibit at the HUB Galleries until Dec. 8

Exhibits

Kern Galleries
■ 18th Annual International Artifacts Exhibition and Sale, Mon.-Fri., 9 a.m. to 4 p.m., through Dec. 6.
Palmer Museum of Art and Zoller Gallery
Permanent Collection: From Floor to Ceiling, opens Dec. 1.
Pattee Library
East Corridor Gallery:
"The Bonfire of Liberties: Censorship of the Humanities," through Jan. 1.
West Lobby Gallery:
Ningyu Jiang, "Figurative Work," through Dec. 10.
Rare Books Room:
Christmas materials from the Allison-Shelley Collection, through Jan. 6.
Zoller Gallery
School of Visual Arts Faculty exhibition, through Dec. 13.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ **Reflects an international perspective**

25-year award recipients

Observing 25 years of service at the University are, from left, Robert Colvert, extension agent in Mercer County; Florence Carter, research aide in the Centralized Biological Laboratory; William Sipple Jr., manager of the Agricultural Conferences and Short Course Office; Francis Witham, professor of horticulture and plant physiology, all from the College of Agriculture; and John N. Grode, assistant professor of engineering at Penn State-Behrend.

Elsewhere in Higher Education

Editor's Note: Budget cuts and other fiscal constraints are key concerns among higher education institutions in the Association of American Universities, of which Penn State is a member. The following excerpts are from The Monitor, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

■ The **University of Maryland** Campus Senate has taken or proposed a number of actions – including a one-day teaching activity, a rally in Annapolis and a petition to the Board of Regents – in response to the current budget crisis.

■ In another step to close a $43 million budget gap, **Stanford University** officials have issued guidelines for each academic and administrative unit that should yield $26.4 million toward balancing the University's budget, and have identified a group of central initiatives from which they expect to find an additional $16 million.

■ **Duke University** is facing its tightest budget in a decade, with the potential deficit in the University's general fund budget at about $2 million in the current fiscal year.

■ Campus offices at the **University of Texas at Austin** have begun filling more than 200 vacant staff positions as an eight-month hiring freeze gradually comes to an end.

■ In an attempt to give comparable increases to non-union employees, the state of Wisconsin has approved an 0.27 percent increase this year for faculty and academic staff at the **University of Wisconsin**. Total increases over the next two years will amount to 1.27 percent this year and 4.5 percent next year over the 1990-91 base payroll.

■ **Johns Hopkins University** is assessing the impact of the latest rounds of state budget cuts in which the institution lost almost $2.9 million in funding under the state's per student formula.

Faculty Senate News

The University Faculty Senate will meet at 1:30 p.m., on Dec 10 in Room 112 Kern Graduate Building.

Items to be discussed:

- Status Report - Planning of Academic/Athletic Convocation and Events Center
- Annual Report on reserved Spaces Admissions
- Annual Report on Extended Degrees
- Editorial Changes in PS-23
- Basic Skills Report - Part 1: Program Evaluation
- Establishment of an Interdisciplinary Council

Items discussed at the Nov. 12 meeting:

- Annual Report of the National Collegiate Athletic Association Representative
- Deletion of Policies 54-84 and 54-86 from Academic Policies, Rules and Procedures for Students
- University Construction Status Reports
- Amendment to the *Standing Rules*, Article II, Section 6(K)
- Research and Graduate Studies
- External Review of the University Scholars Program
- Library Assessment - How do we measure quality? Some issue for faculty consideration

Carpoolers

Lynn is looking for a carpooler from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-6713.

Bill would like to carpool from Philipsburg to University Park. Work hours are 7 a.m. to 3:30 p.m. Call 342-2971.

Doug would like a ride from the Morrisdale/Philipsburg area to University Park. Work hours are 8 a.m. to 4:30 p.m. Call 345-4165.

Robert would like to carpool from Clearfield to University Park. Work hours are 10:30 a.m. to 7:30 p.m. Call 765-6887.

Two riders needed for carpool from Philipsburg to University Park. Work hours are 8 a.m. to 4:30 p.m. Call **Joe** at 865-6713 or 342-2745.

Louise is looking for riders to carpool from Philipsburg to University Park. Her work hours are 8 a.m. to 4:30 p.m. Call 865-3146 or 342-4500.

Maxine would like to carpool from Philipsburg to University Park from 7 a.m. to 3:30 p.m. Call 342-1422.

Promotions

Staff Exempt

Gerald V. Ciolkosz, to senior applications programmer/analyst in College of Engineering.

Caroline N. Egebelu, to management assistant II in Office of Physical Plant.

John W. Gemmell, to admissions officer at Berks Campus.

Julia S. Gibboney, to supervisor, student transcripts in Academic Services.

Jane E. Lindenmuth, to assistant nurse manager, Operating Room at Hershey.

Susan E. Lingenfelter, to project assistant in Eberly College of Science.

Jeffrey F. Luck, to support center consultant in Continuing Education.

David S. Martin, to manager, Janitorial Trades and Garage Services in Office of Physical Plant.

Joseph W. Reasy, to regional director of Development and University Relations at Altoona Campus.

Lesley R. Ritti, to systems project leader in C&IS-Management Services.

Marsha A. Shivery, to assistant to the director in Agriculture.

Blaine E. Steensland, to director, Student Programs and Services, at Berks Campus.

Janet R. Stiehler, to assistant to the financial officer, The Smeal College of Business Administration.

Mari R. Trenkle, to academic support programs coordinator at Behrend College.

Staff Nonexempt

Barbara A. Bentz, to clinical head nurse at Hershey.

Theresa E. Biller, to program aide in College of Agriculture.

Catherine A. Ditterline, to business and financial assistant at Great Valley Campus.

Joanne Martin, to research technologist in Agriculture.

Clerical

Elizabeth E. Confer, to secretary B in College of Agriculture.

Darla A. Franks, to secretary B in Liberal Arts.

Lori A. Holencik, to accounting clerk in Agriculture.

Renee L. Horley, to clerk typist A at Capital College.

Rachel L. Hoy, to secretary B in Agriculture.

Isabel C. Link, to secretary A at Ogontz Campus.

Shelba W. Murray, to secretary A at Ogontz Campus.

Stacy A. Novosel, to clerk typist A in College of Agriculture.

Mary E. Rhein, to clerk typist A in Eberly College of Science.

Anita H. Sprankle, to secretary B in College of Engineering.

Irene D. Stubb, to secretary C at Wilkes-Barre Campus.

Tami L. Torquato, to secretary A in College of Agriculture.

Technical Service

David R. Dashem, to residence hall preventative maintenance worker in Housing and Food Service.

Jerald M. Duck, to livestock caretaker, research in Agriculture.

Claude G. Helton, to maintenance worker utility in Office of Physical Plant.

Focus on Research

A first for universities

State-of-the-art supercomputer dedicated to global change research

Typical example of rainfall maps created by the mesoscale models

A state-of-the-art Cray Y-MP2E supercomputer will help researchers in the Earth System Science Center model the complexity of the earth's system and the global water cycle.

"This is the first supercomputer located at a university to be dedicated to global change research," Eric J. Barron, professor of geosciences and director of the center, said.

The only other supercomputer dedicated to global climate research is funded by a consortium of energy and utility companies and located at the University Corporation for Atmospheric Research, Boulder, Colo.

"This Cray also is the first, as far as we know, to be installed at a department or college level, rather than serving the general university community," Dr. Barron noted. "This machine is a major element of the Earth System Science Center's computing facility and while excess capacity will be available for others, the system is intended to serve the needs of earth system modelers and researchers."

The new machine is capable of 333 million floating point operations per second, the equivalent of a third of a billion additions or subtractions every second.

"We chose Cray because it sets the standard for supercomputing and the model we bought is the world's fastest supercomputer," Dr. Barron said.

"We think that water and water resources are the most important aspects of global climate change and that water is going to have the most impact on global change and on people.

"The problem is that global climate models now take a couple of days to run on supercomputers and we can't use these overall models to predict what will happen to river basins like the Susquehanna or to a small watershed. These models are too coarse."

The best global models predict information at 100-mile intervals, too distant to characterize a river basin. Mesoscale models might predict information every 20 miles, but this, too, will not be sufficient to describe conditions in the Susquehanna basin or a small watershed. For detailed models, data must be simulated every 100 feet, but at this detail, 109 million points would be required to model just the Susquehanna basin.

"We wouldn't consider doing the global models with the detail necessary to model the flow of the Susquehanna River," Dr. Barron said. There would never be sufficient computer power, even with a supercomputer.

"Research in global modeling, especially at the mesoscale, regional and local levels, is severely limited by available computer power."

Eric J. Barron shows off the Cray Y-MP2E that can be seen in the background (Photo: Greg Grieco)

Penn State's ESSC sees the answer in nested, coupled models. The relatively coarse global climate models would drive the more refined mesoscale models, which would drive the basin models. Each model becomes more and more detailed, but covers a smaller geographic area.

"The coarsest models, the global climate models need a supercomputer to run," the Penn State researcher said. "Yet these models appear simple compared to the basin or watershed models in terms of data volume and complexity.

"The resolution required to develop, run and use these models is why we have a supercomputer. The organizations that fund us, especially NASA, realize that we need to have a large, fast machine to do this work."

NASA also is pleased that students will be using the Cray to accomplish their research.

A Cray supercomputer comes complete with an on-sight Cray person to care for and run the machine. Robert Whitney, Cray systems analyst, will be at Penn State for at least two years overseeing computer operation.

Because the $4 million supercomputer, which was purchased using outside funding, will be dedicated to global change research, only a small support staff will be needed. Unlike other supercomputers, this machine is intended to service only about 20 researchers and be dedicated to a specific research field. This makes support requirements much simpler than in multidisciplinary installations.—

A'ndrea Elyse Messer

Proposals sought for undergraduate education

One-page preliminary proposals are being solicited for the United Federal Bank Endowment for the Enhancement of Undergraduate Instruction. The purpose of the Endowment is to enrich undergraduate instruction and encourage the development of a diversity of academic interest among undergraduate students. Several awards in the range of $3,000 - $5,000 are expected to be given for the 1992-93 academic year.

Preliminary proposals should be submitted to Diane M. Enerson at 402 Grange Building by January 10, 1992. Awards will be announced at the University Awards Convocation on April 5, 1992.

Awards from this fund will generally be made for the development of the following types of projects:

- New courses, minors, and options, including honors sections and courses.
- Innovative instructional methods and procedures.
- Courseware, both computer or audio visual, for new or existing courses.

Construction of capital facilities and funding for the normal requirements of classroom and laboratory instruction are excluded from support.

Proposals may be submitted from faculty members in all colleges at all locations, and from staff members in academic support units.

Recommendations for awards will be made by a review committee comprised of members of the Administrative Council on Undergraduate Education and the Society of Teaching Award Recipients.

The committee will screen the proposals and make recommendations for further review based on: 1) potential impact on undergraduate education; 2) applicability elsewhere in the University system; and 3) possibility of cost-sharing components. Those selected for further review must submit more elaborate final proposals.

For information about this award or to obtain forms, contact Diane M. Enerson at 863-2599.

Penn State People

Dennis J. Crust

Dennis J. Crust, central control systems operator in the Office of Physical Plant, monitors environmental applications for University Park buildings, including temperature settings, lighting, water usage, and some fire alarm systems. Dennis joined the University staff in May 1990. "I really enjoy the job," he says. "And the shift that I work -- from 11 p.m. to 7 a.m. -- gives me time with my family." (Photo: Greg Grieco)

Penn Staters

Thomas P. Ackerman, associate professor of meteorology and associate director of the Earth System Science Center, has been named one of five site scientists by the U.S. Department of Energy's Atmospheric Radiation Measurement (ARM) Program, and will be responsible for the day-to-day scientific operations of the ARM Program's measurement site to be located in the tropical western Pacific Ocean.

David Blizard, senior research scientist in the Center for Developmental and Health Genetics, has been elected president-elect of the International Behavior Genetics Association.

Alan Booth, professor of sociology and senior research scientist, Population Issues Research Center, Institute for Policy Research and Evaluation, has received a three-year, $428,208 grant from the National Institute on Aging to Study "Marital Instability Over the Life Course." Dr. Booth will be the principal investigator for the project.

John J. Coyle, professor of business logistics, has been appointed to a two-year term on the Research Strategies Committee of the Council of Logistics Management, and reappointed to a similar term on the Logistics Issues Advisory Council of the U.S. General Accounting Office. He also was selected to serve on the Academic Advisory Council of the firm, Coopers and Lybrand.

Daniel C. Davis, associate professor in engineering science and mechanics and director of the Minority Engineering Program, presented a paper titled "Design Against Hydrodynamic Instabilities in Flat-Plate Type Fuel Element Assemblies" at the 11th International Conference on Structural Mechanics in Reactor Technology in Tokyo, Japan.

Candace Davison, reactor supervisor at the Breazeale Reactor and nuclear education specialist, was one of 10 U.S. delegates selected to participate in an international workshop on education in radioactive waste management in Engelberg, Switzerland.

Patricia Farrell, associate professor of leisure studies, has received the 1991 Distinguished Colleague Award from the Society of Park and Recreation Educators for outstanding dedication and service in state and national professional organizations and for excellence in education and research.

Richard Funk, coordinator of Greek Life, has been elected president-elect of the Association of Fraternity Advisors (AFA).

Gary Koopmann, professor of mechanical engineering and director of the Center for Acoustics and Vibration, has been named a Fellow of the American Society of Mechanical Engineers.

Kenneth K. Kuo, professor of mechanical engineering and director of the High Pressure Combustion Laboratory, presented two invited lectures in the AGARD Lecture Series in Saint-Medard en Jalles, France, and Ankara, Turkey.

Robert G. Melton, associate professor of aerospace engineering, was elected associate fellow of the American Institute of Aeronautics and Astronautics in September.

Horacio Perez-Blanco, associate professor of mechanical engineering, presented two papers, "Effect of Additives in NH Absorption in Water in a Stagnant Pool" and "A Brief Review of the Uses and Effects of Additives for Absorption Enhancement" at the Environment/Friendly Technologies Meeting for the 21st Century in Tokyo, Japan.

Blanche E. Staton, director of the Philadelphia Community Recruitment Center and associate director of admissions, has been named a 1991 Black Achiever by Black Opinion magazine for her commitment to the minority community.

Donald A. Streit, assistant professor of mechanical engineering, presented a paper titled "Spring Equilibrator Theory for Static Balancing of Planar Pantograph Linkages" at the Eighth World Congress on the Theory of Machines and Mechanisms in Prague, Czechoslovakia.

Mirna Urquidi-Macdonald, associate professor of engineering science and mechanics, was a guest speaker at the AI/NN meeting in Ensenada, Mexico.

Faculty Staff Alerts

Mail service

Mail Service to the University community will be suspended from 5 p.m. Friday, Dec. 20, until 8 a.m. Thursday, Jan. 2, 1992, due to the holidays.

Only buildings that currently receive direct delivery from the U.S. Postal Service will be eligible to receive mail during this time. To find out if your building is eligible to receive this special service, please call Frank Sinclair at 865-4051 prior to Dec. 11.

Holiday recess

The holiday recess will be from Monday, Dec. 23, through Wednesday, Jan. 1, 1992. Building temperatures will be set back beginning Friday evening, Dec. 20, and will continue through Dec. 31. You are reminded that conservation of energy is as important during the recess as it is during the rest of the year

University Park buildings may be used by faculty and staff, but temperatures can be expected to be in the range of 55 to 60 degrees Fahrenheit and ventilation will be off. Provisions will be made to protect animal quarters. Requests for exceptions to reduced temperatures and ventilation will be reviewed if such requests specifying days and time of day are endorsed by the cognizant dean or administrative officer. Such requests must be received prior to Wednesday, Dec. 11.

Requests should be addressed to David Burns, 101K Physical Plant Building. It is expected that responsible planning by individuals will significantly reduce the number of requests for exceptions locally.

At locations other than University Park, the appropriate provost, campus executive officer, or administrative officer will review requests for exceptions locally.

Your cooperation in these cost-avoidance efforts is urgently solicited and greatly appreciated.

Williamsport center

The Williamsport Continuing Education Center, which has served Williamsport and the Susquehanna Valley for more than 30 years, is part of the University-wide Continuing Education System. It is not associated in any way with the Pennsylvania College of Technology.

William H. Beisel, director, requests that all correspondence, telephone calls, deliveries, etc. to the center be directed as follows: Penn State Williamsport Center, Continuing Education, 25 West Third Street, Suite 501, Williamsport, PA 17701. Telephone: (717) 322-5771. FAX: (717) 322-5921.

Besides Dr. Beisel, other staff members at the center are **Isabelle M. Yanni**, area representative; **Diane Breon**, evening administrator; Flo Robertson, administrative assistant; **Christy Allen** and **Harriet Storms**, secretaries; **Bonnie Hovey**, evening secretary.

Bookshelf

Stephen J. Cimbala, professor of political science at the Penn State Delaware County Campus, is the author of *Clausewitz and Escalation: Classical Perspective on Nuclear Strategy*, which applies Clausewitz's theories to the problem of nuclear escalation control.

Carl von Clausewitz is regarded by many historians and political scientists as the most important Western military theorist since the Renaissance.

Dr. Cimbala's study of the relationship between war and politics is a timely one in the aftermath of the abortive coup in the Soviet Union. Lenin read Clausewitz's work closely and drew from it that war must be subordinated to policy, regardless of war's tactical or technical features.

"Ironically, the demise of Leninism is a result of the failure of Lenin's successors to maintain the cohesion of government, army and people on which Clausewitz built his theory of war," he said.

Dr. Cimbala is the author of *Nuclear War and Nuclear Strategy: Unfinished Business, Rethinking Nuclear Strategy, NATO Strategy and Nuclear Escalation*, and *Uncertainty and Control: Future Superpower Strategy*.

Thomas J. Bernard, associate professor of administration of justice, is the author of *The Cycle of Juvenile Justice*, published by Oxford University Press.

The book is an analysis of the juvenile justice system over the last 200 years. It depicts how policies concerning juvenile justice have gone through alternating cycles of toughening up and advocating leniency, and how neither has resulted in improved treatment.

Dr. Bernard contends that the cycle should be broken to create stability in the system. He analyzes the "best" and "worst" aspects of various policies as well as the state of the present system.

Roger L. Geiger, associate professor of education, is co-editor with **Thomas G. Whiston** of *Research and Higher Education: The United Kingdom and the United States*, published by the Society for Research into Higher Education and Open University Press.

The first part of the book examines "The National Systems" while the second part looks at "The Institutions." Part three is devoted to "Prospects for Academic Research."

Dr. Geiger wrote a chapter titled "The Dynamics of University Research in the United States: 1945-90." **Irwin Feller**, director of the Graduate School of Public Policy and Administration and director of the Institute for Policy Research and Evaluation, contributed a chapter on "The Impacts of State Technology Programmes on American Research Universities."

25-year award recipients

Observing 25 years of service at the University are, from left, Arnold W. Borger, storeroom worker, Redifer Dining Commons, Housing and Food Services; Lindo Long, senior clerk, Information Access Services, University Libraries; Carl S. Keener, associate professor of biology, Eberly College of Science; Margaret "Peg" Simco, truck driver, Office of Physical Plant; Allen L. Treaster, research associate, Applied Research Laboratory.

Appointments

Patricia C. Ryan has been named coordinator of research and Ph.D. and M.S. programs in The Smeal College of Business Administration.

Formerly contract and proposal specialist and manager of special programs with the University's Office of Sponsored Programs and Contracts, Dr. Ryan will have direct administrative responsibility for the college's eight centers and institutes of research as well as the college's doctoral and master's of science degree programs.

She holds bachelor of arts and master in public administration degrees from the University of Pittsburgh and a post-master's degree certificate in human resources planning and a doctorate in educational theory and policy from Penn State.

A member of the University staff for seven years, Dr. Ryan has served as manager of development research and director of corporate and foundation relations with the Office of University Development.

Prior to joining Penn State, she was an international economic and social development consultant with the Volunteer International Service in Toronto, Ont., and an international management consultant with the Alexander Proudfoot Company in Chicago.

Patricia C. Ryan

Cynthia J. Jones

Cynthia J. Jones has been appointed coordinator of alumni relations in the College of Engineering.

Ms. Jones joined the University staff in 1981 as a research assistant in the Center for the Study of Higher Education where she was involved in a national survey of two-year college administrators. She then became a research coordinator in the Office of Development. Appointed development assistant in the College of Engineering in 1987, she was promoted to development officer in 1991.

Ms. Jones is a graduate of Dickinson College. Following graduation, she taught English in the Avalon Junior/Senior High School in Avalon, Pa.

Focus on the arts

Odyssey on WPSU

When Pennsylvania writer John O'Hara turned his novelist's eye to journalism, he often reported what he failed to see, notes Thomas Berner, professor of journalism, on the next episode of Odyssey Through Literature.

In "The Presence of Absences," Professor Berner and host Leonard Rubinstein discuss O'Hara coverage of a small-town doctor's trial on charges of enthuanasia. For O'Hara, whose own father was a small-town doctor, journalism was a form of social history. "He had a strong belief in being accurate," Professor Berner says. "He denied himself figures of speech and he was proud of that fact."

On the Dec. 18 program, guest host Tom Beebee discusses the losses and gains of immigration with emigre writer Eva Hoffman.

In her latest book, *Lost in Translation: A Life in a New Language*, Ms. Hoffman explores the physical and psychological transformation she experienced after leaving Poland and coming to the West.

Odyssey through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Censorship exhibit

"The Bonfire of Liberties: Censorship of the Humanities" exhibition is being held in Pattee Library's East Corridor Gallery through Jan. 1.

The traveling exhibition is sponsored by the Center for the Book in the Library of Congress and the Texas Center for the Book located at the Dallas Public Library.

Christmas materials

An exhibit of Christmas materials from the Allison-Shelley Collection will be on display in the Rare Books Room in Pattee Library through Monday, Jan. 6.

The development of the Christmas tree tradition in England and America was largely the result of influences of German Christmas traditions. Prince Albert, who came from the German province of Saxe Coburg, is generally credited with the introduction of the Christmas tree to England.

Among the many prints, books, cards, music and toys in the exhibit is an 1848 illustration showing the Royal Family, another illustration of one of Prince Albert's trees at Windsor, and an 1839 Christmas note from Queen Victoria.

Student art display

Ellie Reinhold, Keith Shapiro and James Merola, master of fine arts degree candidates, will present their MFA thesis exhibitions Monday, Dec. 9, through Friday, Dec. 13, in Zoller Gallery at University Park.

Ms. Reinhold, a painting and drawing major, will exhibit mixed media works that combine drawing, painting, printmaking and three-dimensional elements. Mr. Shapiro, a photography major, will exhibit a series of photographs, "Pictures of My Mother." Mr. Merola, a photography major, conducted an 18-month photographic study of teen-agers.

Zoller Gallery is in the Visual Arts Building across from the Palmer Museum of Art. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Bill of Rights exhibit

In honor of the bicentennial of the Bill of Rights, the exhibition "To Preserve These Rights" is being held at Pattee Library in the LIAS Catalog Room until Jan. 3.

Produced by the Pennsylvania Humanities Council, "To Preserve These Rights" explores the Bill of Right's history, implementation, and importance to the American way of life. The exhibition consists of twelve panels, each focusing on a set of rights, and is illustrated with text, photographs, and quotes by key statesmen who have helped shape public opinion on the Bill of Rights.

The arts on Channel 3

WPSX-TV presents "Tenors at Night" on Saturday, Dec. 7 during its $180,000 Winterfest membership drive.

Luciano Pavarotti celebrates 30 years as a performing artist in *Pavarotti in the Park* airing at 5 p.m.

Jose Carreras: A Life Story, airing at 6:55 p.m., is an inspirational film about the Spanish tenor's life and career featuring rare film clips and exclusive interviews with friends, family and colleagues.

The grand ruins of Rome's Baths of Caracalla are the setting for one of the most historic events in music history—*Carreras, Domingo, Pavarotti in Concert* airing at 8:55 p.m. Maestro Zubin Mehta conducts the orchestra as Jose Carreras, Placido Domingo, and Luciano Pavarotti come together for this concert which closed Italy's 1990 World Cup.

Partings

Theodore Kiffer

Theodore Kiffer, associate dean of the Commonwealth Educational System in the College of the Liberal Arts and associate professor of liberal arts, has retired after 28 years of service.

Dr. Kiffer is known for his work with various University committees, commissions and University Faculty Senate meetings as well as his service to the college. He is the author of Services Occupation in the Two Year College: A Handbook, Social Science Perspective: The Urbanization of Man.

Prior to joining the faculty at the Penn State Berks Campus in 1968, where he served as assistant director of resident instruction, Dr. Kiffer was associate professor of linguistics at Kutztown State College and senior Fulbright lecturer and associate professor of English linguistics at the University of Liberia, Africa.

In 1970, he served as research associate professor in the Center for the Study of Higher Education. In 1971, he became the director of general education in the College of the Liberal Arts at University Park, and has served as associate professor of English linguistics and associate head of the Department of English. He became the associate dean for the Commonwealth Educational System for the college in 1983, and in 1990 he served his last year at Penn State as the interim dean of the College of Liberal Arts.

He received a bachelor of arts degree in English in 1951 from Robert Wesleyan College, a master's degree in English in 1961 from Penn State and a doctorate in English in 1965 from Penn State.

In retirement Dr. Kiffer is serving as ombudsman of the College of the Liberal Arts; plans to help his wife, Audrey, with her antiques business, and is continuing his hobbies of fishing and antique phonograph refinishing.

Adrean Smith, nutrition assistant, adult youth in Agriculture, from July 1, 1972, until Oct. 16.

Crissie Musser, processing clerk in the Information Access Services Division of the University Libraries, has retired after 25 years service.

Originally from Centre Hall, she is a graduate of Penns Valley High School.

Dean search committee is named

A search committee has been appointed to identify candidates for the position of dean of the School of Communications. **James C. Moeser**, dean of the College of Arts and Architecture, will chair the committee.

Other committee members are **Jeaneen Aldridge**, graduate student; **Deborah F. Atwater**, associate professor of speech communication and senior faculty mentor, Center for Minority Graduate Opportunity and Faculty Development; **Beth E. Barnes**, assistant professor of advertising; **Richard L. Barton**, associate professor of mass communications; **Grace Hampton**, vice provost; **David J. Jones**, assistant managing editor, *The New York Times*; **Steven R. Knowlton**, assistant professor of journalism; **Jack. P. Royer**, associate dean for undergraduate education; **Avner D. Sofer**, undergraduate student; **Diedre Pribram**, assistant professor of film/video; and **Richard D. Taylor**, Palmer professor of telecommunications studies.

The search committee will begin to review applications in mid-January and continue to receive them until a candidate is selected. Nominations and applications accompanied by a resume and the names of four references should be submitted to James C. Moeser, chair, School of Communications Search Committee, Room 201 Old Main (Box PSD), University Park.

Parking garage construction

Construction has begun on the Blue D Staff Parking Garage behind Eisenhower Auditorium at University Park. The 821-space structure is expected to be available for parking in late August, 1992. (Photo: Greg Grieco)

Vacancies

Continued from Page 16

■ **02008, Associate Director, Residence Life, Student Services, Campus Life/Residence Life, University Park Campus** — Responsible to the director, Residence Life, for the shared management and program development of a residence hall system housing over 14,000 students at nine difference campus locations. Serve as liaison to the campuses with residence halls and as the central staff person responsible for handling student emergencies at the residential campuses; supervise special living options for students; assist the director in the administration and preparation of budget. Requires master's degree, or equivalent, in student personnel services, plus two to four years of effective experience is required. STAFF GRADE 8.

Hershey
For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by December 12.

■ **I0103, Medical Social Worker II, Department of Social Services** — Responsible to the social services coordinator for providing inpatient and outpatient medical social services and provide practical help and emotional support to patients and their families. Requires a master's degree of social work from an accredited college or university and/or equivalent, plus 1-2 years effective experience. STAFF EXEMPT, GRADE 6.

■ **I0035, Occupational Therapy Assistant, Department of Occupational Theory** — Responsible to the assistant manager, Occupational Therapy, for assisting in the planning and administering of various occupational therapy programs. Requires an associate degree or equivalent with licensure or eligibility for licensure to practice as a certified occupational therapy assistant, plus one to two years of effective experience. STAFF NONEXEMPT, GRADE 4.

■ **I1056, Clinical Nurse Educator/Medical ICU and Intermediate Care Department of Nursing/Nursing Education** — Responsible to the assistant director of nursing, for the design, implementation, and evaluation of orientation, basic and advanced education programs and specialized courses for all levels of nursing personnel. A master's degree in nursing plus 1-2 years of effective clinical experience in area of expertise; and current licensure by Pennsylvania State Board of Nursing. Certification in specialty areas is desirable. ICU experience is preferred. STAFF EXEMPT, GRADE 7.

■ **I0096, Assistant Manager, Telephone Service, Mail Service, and Parking Facilities, Department of General Services** — Responsible to the director, Business Services, for the efficient and effective operation of the Medical Center Telephone System to include the data bases of the SLI-XL telephone system and the Modex Plus Paging System. Also responsible for the operation of the mail room and parking facilities. Requires a bachelor's degree or equivalency in business or engineering plus one to two years effective experience. STAFF EXEMPT, GRADE 6.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, December 12. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status

■ **01994, Application Programmer Analyst, Computer and Information Systems, Management Services, University Park Campus** — Responsible to the designated project leader for conducting analyses of data processing and customer concerns, determining detailed requirements to solve problems, formulating logical statements of systems problems, and preparing computer programs to satisfy desired end results. Assist in providing direction and control within specifications of project schedules. Requires bachelor's degree, or equivalent, in basic computer systems plus one to two years of effective experience in computer programming and analysis. STAFF GRADE 6.

■ **01995, College Health Nurse, Student Services, University Health Services, University Park Campus** — Responsible to the nurse manager for providing nursing service in the Observation Unit and Urgent Care Clinic and assisting licensed physicians in patient care, record and chart conditions and progress of patients, and determine priority of treatment. Requires graduation from an accredited nursing program and current licensure in the State of Pennsylvania as a registered nurse plus six to nine months of effective experience. Past experience working in an emergency room setting or an acute ambulatory care clinic is desirable. Proficiency in IV administration and physician assessment also is highly desirable. This is a six-month, fixed-term position funded through June 30, 1992, on the day/evening shifts available January 2, 1992. STAFF GRADE 4

■ **01996, Conference Coordinator, Continuing Education, CE Keller Conference Center, University Park Campus** — Responsible to the team leader, conference coordinator for the functions of developing, designing, organizing, administering and financially managing conferences and other adult educational programs and services for off-campus groups using University facilities and/or staff. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in education, business or industry. Requires irregular work hours, including evenings and weekends and a very heavy time commitment during the summer. STAFF GRADE 7

■ **01997, Fiscal Specialist—Extension, Agriculture, Administrative Services, University Park Campus** — Responsible for the daily operations of all financial matters pertaining to the Cooperative Extension Service and monitoring expenditures. Responsible for the preparation and submission to USDA Extension Services the Federal Annual Financial Report and Budget which includes, State, Federal and County appropriated funds. Conduct County Extension office on-site financial reviews. Requires bachelor's degree, or equivalent, in accounting or business administration plus two to three years of effective experience in college or university fiscal and business policies required. Background in accounting is essential. Travel of one to two days per month throughout the state, including overnight, and strong interpersonal and preparation skills required; working knowledge of University computer systems preferred. STAFF GRADE 7.

■ **01998, Janitor Foreman, McKeesport Campus** — Responsible for janitorial and grounds maintenance; set-ups, and supervision of employees. Requires high school graduate, or equivalent, plus three to five years of experience in janitorial operations and supervision of janitorial work force. Must be knowledgeable in all aspects of janitorial operations. STAFF GRADE 4

■ **01999, Counselor/Advisor to Minority Students, Ogontz Campus, Academic Affairs** — Responsible to the coordinator, Undergraduate Advising, for providing academic and personal advising and assistance to minority students in coping and adjusting to problems and situations encountered in academic life. Requires master's degree in education or counseling, plus one year up to and including two years of effective experience in academic advising and counseling. Understanding and experience in dealing with minority problems is required. STAFF GRADE 7.

■ **02000, Supervisor, Physical Plant Maintenance and Operations, Altoona Campus, Physical Plant** — Provide general direction to and review the performance of the maintenance foreman and janitor foreman. Make recommendations for service improvements, recommend desirable changes and alterations to all physical plant areas. Forecast budget requirements for above responsibilities and operate within these limits; initiate and approve all purchasing documents for Maintenance and Operations. Requires bachelor's degree, or equivalent, in mechanical or electrical engineering. Two to four years effective experience in power or heating plant operation, electrical work and supervision of employees. STAFF GRADE 7.

■ **02001, Assistant to the Financial Officer I, Earth and Mineral Sciences, Dean's Office-Financial Office, University Park Campus** — Responsible to the financial officer for assisting in the financial management of general funds and for the transaction and enforcement of financial and budget policies and procedures in the college. Requires bachelor's degree, or equivalent, in accounting or a business related field and up to one year of effective experience in accounting and budget work. Computer skills required. STAFF GRADE 5.

■ **02002, Learning Center Specialist, Allentown Campus, CES** — Reports to the Division of Undergraduate Studies coordinator. Assists in planning and implementing academic programs and tutoring services, conducts remedial courses, maintains confidential records, and assists in the administration of the freshmen testing, counseling, and advising program. Requires master's degree, or equivalent, preferably in reading, English and/or education, and three to twelve months of effective experience in instructing or tutoring at the college level. This is a fixed-term position funded through June 30, 1992, with excellent possibility of re-funding. STAFF GRADE 6.

■ **02004, Director of Business Services, Housing and Food Services, University Park Campus** — Responsible to the assistant vice president for housing and food services for the effective operation of the Division of Business Services and Purchasing Operations. Requires bachelor's degree, or equivalent, in business administration, accounting, hotel administration, hotel, restaurant and institutional management or related field plus over four up to and including seven years of effective experience in business administration or accounting. Knowledge of computer operations essential. STAFF GRADE 9.

■ **02003, Textbook Assistant, Bookstore, University Park Campus** — Responsible to the textbook specialist, Penn State Bookstore at University Park, for the textbook operation. Maintain current pricing information on all titles purchased. Develop and maintain list of universities and wholesale houses in both seek and sell used books. Review need for textbooks with textbook specialist. Contact used book wholesalers by telex, etc., inventory of textbook stock, coordinate book purchases with textbook specialist to avoid over or understock of texts. Requires high school graduate, or equivalent, plus one or two years of effective experience. Knowledge of bookstore policies, practices and operations is highly desirable. STAFF GRADE 4.

■ **02006, Financial Aid Specialist, Penn State Harrisburg, Student Affairs** — Responsible to the manager, Student Assistance Center, for the coordination and interpretation of student financial aid programs available to Penn State Harrisburg students. Requires master's degree, or equivalent, in counseling, student personnel services, or a closely related field, plus one to two years of effective experience. Must have the ability to work with students, faculty, staff within the University and in state and federal agencies. STAFF GRADE 6.

■ **02007, Computer and Information Systems Specialist, Penn State Harrisburg, Computer Center** — Responsible to the director, Computer and Information Systems, for providing assistance primarily to the academic divisions concerning hardware, software and communications problems; for repair of equipment and ensuring that communications equipment and cabling are installed and maintained. Requires associate degree, or equivalent, in computer science, electrical engineering technology, mathematics or related field plus one to two years of effective experience in computer systems. STAFF GRADE 4

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Kathy Garman, Calendar

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University to hold commencement ceremonies Jan. 11

The University will hold commencement ceremonies for approximately 3,405 associate, baccalaureate and graduate degree students at University Park on Saturday, Jan. 11.

Hunter R. Rawlings III, president of the University of Iowa, will give the University Park undergraduate commencement addresses at 10 a.m. and 1:30 p.m. in Recreation Building, and Susan Welch, dean of the College of the Liberal Arts, will give the Graduate School address at 4:30 p.m. in Eisenhower Auditorium.

About 373 undergraduates will receive associate degrees and 2,452 will receive baccalaureate degrees; 371 will receive master's degrees and 209 will receive their doctorate.

Undergraduates in the colleges of Arts and Arcbitecture, Earth and Mineral Sciences, the Eberly College of Science, the Liberal Arts, The Smeal College of Business Administration, and the associate degree students will graduate at 10 a.m. Students in the

Hunter R. Rawlings

colleges of Agricultural Sciences, Education, Engineering, Health and Human Development and the School of Communications will graduate at 1:30 p.m.

Susan Welch

President Thomas will confer degrees. Board of Trustees chair Marian Coppersmitb Fredman will represent the Board, and Executive Vice President and University Provost John A. Brighton will preside. David A. Morrow, president of the Alumni Association, will represent the alumni and C. Gregory Knight, vice provost and dean for undergraduate education, will present scholastic honors.

Dr. Rawlings is a professor of classics and the 17th president of the University of Iowa. As president, he has focused his efforts on strategic planning and on improving undergraduate education, building the health sciences into a position of national leadership and strengthening the College of Liberal Arts.

He is a member of the executive committee of the Association of American Universities, an organization of research universities that plays a lead role in developing the agenda for American Universities.

Dr. Rawlings has served as vice president for academic affairs and research and dean of the system graduate school at the University of

See 'Commencement' on Page 4

Schuckers is named to post

David R. Schuckers, director of governmental relations, has been named special assistant to the president for governmental affairs.

He succeeds Frank E. Forni, who retired Dec. 31.

The special assistant reports directly to the president of the University and is responsible for governmental liaison in Harrisburg, Washington, D.C., as well as the greater Centre County community and the communities in which all Penn State campuses are located.

"Dave has served the University with distinction for nearly 30 years and knows well the Penn State system and its important missions of teaching, research and public service," President Thomas said. "He is well regarded in government circles at the local, state and national levels. We are extremely fortunate to have him in this important position at Penn State and I look forward to working closely with him."

Mr. Schuckers joined the University in 1963 as a coordinator in the Continuing Education Conference Center and was named assistant director of University relations in 1968. In 1969, he became director of University relations and, in 1977, was named director of governmental relations.

In this position, he represented Penn State in Washington for nine years, and for the past six years, represented Penn State in the state capital.

A veteran of the U.S. Army, Mr. Schuckers served as co-chairman of the President's Community Advisory Committee and as a member of the board for the Centre County Industrial Development Corporation. He continues to serve as a member of the Patton Township Zoning Hearing Board.

A resident of Patton Township, he also has been active in the Centre County United Way, having served as president and board member. He

See 'Schuckers' on Page 4

Materials research reorganized

Materials research at Penn State is being reorganized to strengthen cooperative, intercollege, multidisciplinary research in materials.

The reorganization, effective Jan. 1, follows an internal review of materials research initiated this fall by President Thomas and Executive Vice President and Provost John A. Brighton.

"We believe a more active Universitywide coordination of materials researcb will result in great benefits in many directions, both internal and external," Dr. Thomas said.

In announcing the changes to the materials research community at Penn State (which is active in the Colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, Medicine, and Science) Dr. Brighton said, "The National Science Foundation (NSF) and other governmental agencies have identified materials as one of the critical research areas for the 1990s. There are significant national needs and outstanding opportunities for research in materials. Penn State can be at the forefront of these efforts if we are organized properly."

Toward that end, the following cbanges were made effective Jan. 1.

* A new Penn State Materials Research Institute (MRI) will be established as an all-encompassing unit to be the focal point for the materials research community Universitywide. The MRI will serve as a coordination point for materials research and as a forum for the health and advancement of intercollege, multidisciplinary materials research at Penn State.

*An MRI Board of Directors comprised of a broad representation of the University's materials research community will be established to guide the operations of the MRI. The MRI Board of Directors will replace the current Materials Research Directorate.

The responsibilities of the MRI Board include: bringing together and overseeing the preparation of institutional research proposals such as NSF/Materials Research proposals; identifying other opportunities for funding and assisting in bringing together persons to develop proposals to secure such funding; coordinating the

See 'Materials research' on Page 4

Focus on Diversity

Martin Luther King Jr. Day celebrations

A number of University campuses are holding special programs in observance of Martin Luther King Day.

Among the programs being planned are:

Allentown: Laurence Prescott, associate professor of Spanish and Black Studies at University Park, will speak on "Martin Luther King Jr.: A Man of All Peoples, a Message for All Times" at noon Monday, Jan. 20.

Altoona: The King Celebration, a joint campus and community program featuring Francine McNair, speaking on "Dreams from the Mountain Top," at 3:30 p.m. Sunday, Jan. 19. The Martin Luther King Jr. Celebration Committee also is sponsoring an essay contest for students at the campus and at Blair County area high schools.

Beaver: Leon Haley, chief executive officer of the Urban League of Pittsburgh, will be the featured speaker at a program at 3:30 p.m. Monday, Jan. 20, in the Laboratory Classroom Building auditorium.

Delaware County: Students, faculty, staff and guests will share their reminiscences, reactions, and perceptions of Martin Luther King at 12:30 p.m. Monday, Jan. 20, in the Commons Building. Following the recollections and discussions, there will be a video presentation of Dr. King's "I Have a Dream" speech.

DuBois: Edward Pierson, professor of voice at Montclair State College, will present the program, "Paul, We Hardly Knew Ye: Paul Robeson Remembered," at 7:30 p.m. Wednesday, Jan. 15, in the Hiller Auditorium. At 7:30 p.m. Monday, Jan. 20, the husband/wife team of Kim and Reggie Harris will present their multi-media production "Dream Alive" in Hiller Auditorium. A bulletin board featuring Dr. King will be on display in the student union throughout January.

Fayette: The campus celebration begins 11 a.m. Monday, Jan. 20, with an all-faith ecumenical service in the Williams Building auditorium. Also featured will be a thematic panel discussion and special exhibit in the Library Building. The program closes at 6:30 p.m. with a "Celebration in Song and Video."

Penn State Harrisburg: "Our Memories of Martin" will be presented Monday, Jan. 20. This tribute to the man and his legacy to America will be an entertainment and talent event featuring faculty, staff and students.

Hazleton: Various films commemorating Dr. King's life will be shown in the residence halls throughout the day Monday, Jan. 20. At 7 p.m. Barbara Reynolds, columnist for *USA Today*, will be the keynote speaker at a special Martin Luther King Jr. celebration.

The Campus Multi Cultural Club also is sponsoring an essay contest for students in grades seven through twelve in the Hazleton Area public schools.

McKeesport: Herman L. Reid, executive director of NEED, will be the featured speaker at 2:30 p.m. Monday, Jan. 20, in the Buck Student Union.

Mont Alto: Members of the African American Student Society (AAS) will read parts of Dr. King's "I Have a Dream" speech during a special dinner served by AAS members from 4:45 to 6 p.m. Monday, Jan. 20, in the Dining Commons.

New Kensington: Judge Cynthia Baldwin will speak 7:30 p.m. Friday, Jan. 17, in the Theatre. Three local choirs will perform. In conjunction with the program, the campus is sponsoring its third Annual Poetry Reading Competition.

Ogontz: The Rev. Dr. Robert Johnson-Smith, pastor of Salem Baptist Church of Jenkintown and a member of the Ogontz Campus Advisory Board, will speak at noon Wednesday, Jan. 22.

Penn College: The Multi-Cultural Club organized a special program at noon Monday, Jan. 20, featuring a reading of Dr. King's "I Have a Dream" speech and a coffee house guitarist-singer. A special display in the library will include Dr. King's speeches, and a selection of posters and pictures highlighting his life and achievements.

Worthington Scranton: The following films will be shown: "School Daze," Jan. 21; "Long Walk Home," Jan. 23; "The Color of Your Skin," Jan. 24. The play, "Strange Like Me—Metamorphosis," will be presented Jan. 22.

University Park: The Forum on Black Affairs will hold its 14th annual Dr. Martin Luther King Jr. Memorial Banquet at 6 p.m. Wednesday, Jan. 15, in the Hetzel Union Building. University of North Carolina journalism professor and retired Philadelphia Daily News columnist Chuck Stone will speak at 4 p.m. Monday, Jan. 20, in Eisenhower Auditorium. His speech will be telecast live on PENNARAMA and on WPSX-TV, Channel 3, throughout much of the state.

Wilkes-Barre: Thomas G. Poole, director of religious affairs at University Park, will present a special program at noon Monday, Jan. 20, in the Center for Technology. A special candlelight vigil, "A Wish for Peace on College Campuses," will be held at 6:30 p.m.

York: A standing poster exhibit, "Black Women: Achievement Against All Odds," will be displayed in the Commons Area of the main building.

Poster celebrates decade of struggle and growth

In celebration of its 1981 formation, the Commission for Women recently unveiled a colorful poster that its members hope symbolizes the women's movement on campus.

The poster, designed by **Santa Barraza**, assistant professor in the School of Visual Arts, is a kaleidoscope of orange, yellow, red and blue hues emphasizing the multiplicity and diversity of women and their struggle for equality. The focus of the design is a stylized tree that is reminiscent of the universal cross-and-circle symbol of woman.

"The tree is actually the tree of life. It is meant to show that there has been growth in the movement," Dr. Barraza said. "There are tiny sprouts growing nearby that I hope show not only growth, but a resurrection. It is all an indication of growth, maturity and a coming to fruition."

In addition to the tree, other symbols included in the artwork are a white dove designating peace and the use of red as a color signalling rebirth. The artist said the idea for the poster came to her while she was looking over a manuscript from the medieval period.

Dr. Barraza, who said she is sympathetic to women's causes, donated the work to the Commission. The assistant professor is the same artist who designed the 1989 "Kaleidoscope of Cultures" poster for the College of Education to promote cultural diversity.

Dr. Barraza is well-known for her culturally-flavored art works dealing with her Chicano heritage. In February, she will be exhibiting her work in the Posada Gallery in Sacramento, CA and in May her work will hang in the Smithsonian as part of the group exhibit "CARA:Chicano Art of Resistance and Assimilation 1965-1985." Dr. Barraza also was included in the book *Mixed Blessings: A New Multicultural Art in America* by Lucy Lippard.

The poster is available free of charge from **Anne Ard**, senior diversity planning analyst and Commission member, in 314 Grange. Only 1,000 posters were printed.

Nominations sought

The Commission for Women is seeking nominations for the Achieving Women Project to recognize the accomplishments of women students, faculty, administrators, clerical, staff and technical service employees to be published in "Achieving Women at Penn State" and distributed on March 30 at the annual spring banquet.

"This project recognizes Penn State women at all levels," **Shirley Hendrick**, chair of the commission, said. "We are honoring a wide variety of achievement ranging from community leadership to academic honors."

In addition to these, qualifications for recognition include: recognized advocacy on behalf of women and children; appointments to a senior level position; artistic or creative endeavors; completion of 25 years of service at Penn State in 1991; or recipient of major fellowship or scholarship, among other criteria.

Application and recognition guidelines are available at both the HUB and Kern information desks. Contact **Donna J. Schroyer**, chair of the outreach committee, at 865-1831 if you have further questions.

Nominations are due no later than Feb. 3 and should be mailed to Achieving Women Project, Commission for Women, 313 Grange, Penn State, University Park, Pa. 16802. If you would like more information on the banquet, call the Commission office at 863-7696.

Focus on Diversity

Educational Partnership teaches diversity

Popa Bunko Susso, African storyteller and historian, performs for elementary students in the Wilkes-Barre Area School District on his Kora, a 21-string harp/flute unique to Western Africa, as part of the Educational Partnership formed by the school district and the Penn State Wilkes-Barre Campus. The Partnership began its programming in October. Other programs currently being developed include diversity training at a high school and an elementary school in the district.

Female students learn about engineering careers

High school girls interested in the field of engineering participated in the program, "My Mom's An Engineer," conducted at the Penn State Wilkes-Barre Campus.

Female students were able to learn about Penn State's opportunities in engineering and engineering technology throughout the University. Sharon J. Luck, director of the Women in Engineering Program, explained the support services in place for women engineering students and what they could expect from the University.

Women engineers who graduated from Penn State Wilkes-Barre shared their experiences, including how they became involved with engineering and what their careers are like.

The program concluded with a taur of the state-of-the-art Center for Technology.

Diversity Opportunities Calendar

Thursday, Jan. 9
Center for Minority Staff Development, 3:30 to 5 p.m., 319 Rider Building. Workshop titled, "Coping Strategies for Working in a Predominantly White Environment," by Cynthia King, special consultant.

Tuesday, Jan. 14
Penn State Altoona Campus, 8 p.m., in the Community Arts Center. Musical performance titled, "Paul We Hardly Knew Ye: Paul Robeson Remembered," featuring baritone Edward Pierson.

Wednsday, Jan. 15
Forum on Black Affairs, 6p.m., HUB Ballroom. The 14th annual Rev. Dr. Martin Luther King Jr. Memorial Banquet. Theme: "The King Legacy...Reexamining the Dream."

Faculty/Staff Alerts

Noon-hour courses

The Human Resource Development Center and Continuing Education are offering the following three-credit courses for University employees in Spring Semester 1992:

Accounting 200 and Psychology 002 meet from 12:10 to 1 p.m. Monday, Wednesday and Friday; Management 100 will meet from 11:30 a.m. to 12:45 p.m. Tuesday and Thursday.

The courses are part of the Business Management and Business Administration Certificate Programs offered through Continuing Education. An academic counselor is available to help with course selection.

For information, contact the Human Resource Development Center at (814) 865-3410 or the Continuing Education Office at (814) 865-3443.

Occupational privilege tax

In order for the University to comply with the Occupational Privilege Tax regulations imposed by the various taxing districts, the $10 tax will be deducted from full-time and part-time employees as soon as an employee's gross earnings exceed $1,000 in 1992.

If, during the year, a person who has already paid the tax is hired, a copy of the payment receipt must be forwarded to the Payroll Office in order to avoid having the tax deducted again.

The Occupational Privilege Tax is not in force at all University locations.

Withholding Reminder

The Payroll Office wishes to remind those employees who filed a Withholding Exemption Certificate — University Form W-4E — for 1991 that this certificate will expire Feb. 15, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1992. You may claim exemption from withholding if you had no income tax liability for 1991 and if you anticipate no income tax liability for 1992. Forms are available from the Payroll Office, 307 Rider Building.

In general, the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Human subjects seminars

The Office for Regulatory Compliance will be providing scheduled seminars on the "Protection of Human Subjects in Research" during the spring semester. The seminars are designed to explain the human subjects review system and will provide instruction on how to prepare a submission for review by the Institutional Review Board (IRB).

Faculty who are new to human subjects research or who may be advising students involved in such research are urged to attend. Seminars currently are scheduled in Room 101 Kern Building, University Park, at 10 a.m. and 2 p.m. Feb. 2; 10 a.m. March 5, and 10 a.m. April 2.

The seminar also will be presented upon request for any course or interested group. It would be helpful if instructors who plan to refer a large number of students to any one of the scheduled sessions also would contact the Office for Regulatory Compliance (5-1775) to ensure adequate seating.

Acting dean is named in Health and Human Development

Gerald E. McClearn, Evan Pugh professor of health and human development and head of the doctoral program in Biobehavioral Health, has been named acting dean of the College of Health and Human Development.

Dr. McClearn will succeed **Anne C. Petersen**, who will become vice president for research and dean of the Graduate School at the University of Minnesota. He will remain in the post until a permanent dean is appointed.

"Dr. McClearn is a renowned scholar and teacher at the University," President Thomas said. "He will provide invaluable leadership to the college as a national search is conducted for a new dean. I look forward to working with him."

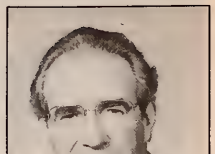
Dr. McClearn joined the University in 1981 as a professor of human development, nutrition and psychology. He was named Evan Pugh professor of health and human development in 1986 and professor of biobehavioral health in 1990.

From 1981 to 1988, he served as the college's associate dean for research and graduate studies and director of the Institute for the Study of Human Development. From 1981 to 1990, he was chair of the Intercollege Graduate Program in Genetics and, from 1988 to 1990, he was director of the Center for Developmental and Health Genetics. In 1990, he was named head of the Biobehavioral Health Program.

His research spans animal and human studies of genetics, drugs and aging. In the past two decades, Dr. McClearn has been principal investigator or co-investigator on grants totalling more than $10 million. Among his current projects are long-term collaborations with the Karolinska Institute in Stockholm and the Gerontology Institute in Jonkoping on major studies of elderly Swedish twins.

He is past president of the Behavior Genetics Association and has been elected to membership in the Academy of Behavioral Medicine Research. He has served on several review boards and advisory panels for the National Research Council; Social Science Research Council; Alcohol, Drug Abuse, and Mental Health Administration, and National Institutes of Health.

Dr. McClearn received a B.S. degree from Allegheny College and his M.S. and his Ph.D. degrees both from the University of Wisconsin.



Gerald E. McClearn

Materials research

(Continued from Page 1)

activities of materials-related laboratories and research groups at Penn State; managing specialized equipment so that it is available for use by faculty and associates who need to use it; administering long-range planning for materials research and Penn State; allocating the Materials Research Facility now planned for the Penn State Research Park; and participating in the performance evaluation of individual laboratories and centers doing materials research.

Stewart Kurtz, currently Director of the Materials Research Laboratory, will serve as chair of the new MRI Board of Directors, effective Jan. 1. He will hold this position until March 1, when **David Shirley**, who also will assume his responsibilities as senior vice president for research and dean of the Graduate School on that date, will serve as chair. Dr. Kurtz will then serve as administrator for MRI, reporting to the director.

Initial members of the MRI Board include: **Maurice F. Amateau**, professor of engineering science and mechanics/ARL; **Harry Allcock**, Evan Pugh professor of chemistry; **M.M. Coleman**, professor of polymer science; **Gary L. Messing**, professor of ceramic science and engineering and director of the Particle Science in Engineering Center; **Vijay K. Varadan**, Distinguished alumni professor of engineering science and mechanics and electrical engineering/co-director of the Research Center for Engineering of Electronic and Acoustic Materials and Devices; **Randall M. German**, professor of engineering science and mechanics and holder of the Brush Chair in Materials; **C.G. Pantano**, professor of materials science and engineering and the director of Materials Characterization Laboratory; **Roy F. Willis**, professor of physics; **Nicholas Winograd**, Evan Pugh professor of chemistry; **Digby D. McDonald**, professor of materials science and engineering/Center for Advanced Materials;

Stephen J. Fonash, distinguished professor of engineering science and director of the Center for Electronic Materials and Processing; **R.E. Tressler**, professor and head of the Department of Materials Science Engineering; **Russell Messier**, professor of engineering science and mechanics/MRL; **Stewart K. Kurtz**, professor of electrical engineering and Murata professor of materials research and director of the Materials Research Laboratory; **Robert E. Newnham**, professor and chairman of Alcoa Solid State Science; and **E.B. White**, professor of geochemistry and acting associate director of MRL. **Kenneth J. Yost**, associate vice president for research and technology transfer, and **William D. Taylor**, director of Intercollege Research Programs, will serve as ex officio members of the board.

Dr. Messier also was appointed acting director of the Materials Research Laboratory, effective Jan. 1. As acting director, Dr. Messier will promote collaborative programs with individual investigators and other research units as well.

Members of the internal review committee for materials research are: **John L. Leathers**, assistant vice president of the Commonwealth Educational System, Chair; **Harry R. Allcock**, Evan Pugh professor of chemistry; **Peter D. Bennett**, professor of marketing and associate dean of the Smeal College of Business; and **L. Raymond Hettche**, professor of engineering research and director of the Applied Research Laboratory.

"Members of the committee have rather diverse backgrounds, but they unanimously agreed upon the same general conclusions," Dr. Brighton said. "They focused on the positive aspects of Penn State's materials research Universitywide and its potential for advancement."

Shuckers

(Continued from Page 1)

was secretary and board member for the Central Pennsylvania Festival of the Arts and president and vice president for the State College Area Chamber of Commerce. He also has served as a Patton Township supervisor and as a member of the township's water authority.

A graduate of Westinghouse Memorial High School in Wilmerding, Mr. Schuckers holds a bachelor's degree from Muskingum College and a master's degree from Penn State.

Commencement

(Continued from Page 1)

Colorado where he also served as vice chancellor for instruction and taught classics for 18 years before joining the University of Iowa in 1988.

Dr. Welch, who was named dean of the College of the Liberal Arts last July, had been the Carl A. Happold Professor in the Department of Political Science at the University of Nebraska, where she served as chair of the department from 1977 to 1985.

Author of *A Dream Deferred: Black Attitudes on Race and Inequality*, published by Cambridge Press this year, she is the author of more than 120 articles and author or co-author of 10 books and monographs. She has received grants from the National Science Foundation and other federal agencies and has served as editor of *American Politics Quarterly*.

Among her professional achievements, she has been active in the American Political Association and served for two years on the political science review panel for the National Science Foundation.

In addition to commencement at University Park, Penn State Harrisburg will hold ceremonies on Saturday, Jan. 11, for about 213 baccalaureate and 46 master's degree students, and Penn State Erie, The Behrend College will hold commencement on Sunday, Jan. 12, for 132 baccalaureate and 14 master's degree students.

An estimated total of 3,810 students will graduate in January.

Carpoolers

Kathie would like to carpool from Lock Haven to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-5493.

Woodward vanpool is looking for riders. Work hours are 7 a.m. to 3:30 p.m. Call **Paul** at 349-8261 (after 5 p.m.).

Don is looking for riders to join his carpool from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-1040 or 684- 4868.

Continuing Education makes series of changes

With the inclusion of several new units and the retirement of a number of key staff, Penn State Continuing Education is making a series of organizational changes, according to **James H. Ryan**, vice president for continuing education.

"The changes are designed to streamline the organization and refocus its missions and roles. No new resources will be necessary to implement the changes," Dr. Ryan said.

"Recently completed studies on improving our capabilities in market research, program development and marketing communications have enabled us to take steps to revitalize program development for the colleges and campuses," he added.

Continuing Education is comprised of offices at University Park, all Penn State colleges and campuses and 11 other locations in Pennsylvania, as well as Management Development Programs and Services, the Coordinating Council for Continuing Education in Health Care, all Keller Conference Center activities, Planning Studies, and Media and Learning Resources.

As a result of the recent changes, which incorporated the divisions of Planning Studies and Media and Learning Resources into Penn State Continuing Education, the following realignments have been made, effective immediately:

Mark Erstling, manager of WPSX-TV, has become general manager of the educational television station, as a result of the retirement of Marlowe Froke. He will report to the vice president for continuing education. WPSX-TV, a Public Broadcasting Station, reaches viewers in 29 counties in Central Pennsylvania and is the University's center for distance learning technologies.

The Continuing Education Department of Public Information and Publications will now encompass two units: the Office of University Relations and the Office of Marketing Communications. Searches are planned for the directors of both units.

The Office of University Relations will expand the responsibilities of the former Continuing Education Department of Public Information and Publications and will work closely with the University's central Department of Public Information and will develop news releases and newsletters. The new Office of Marketing Communications will continue to handle editing, layout, design, and production and evaluation of brochures and advertisements.

Independent Learning, directed by **David F. Mercer**, will report to the vice president for continuing education. The unit previously was part of the Division of Media and Learning Resources.

Independent Learning enrolls more than 30,000 students annually.

Audio-Visual Services, University Photo/Graphics and Materials Services have been combined under the designation of Media and Instructional Support Services. **Robert L. Allen**, who directs Audio-Visual Services, will serve as director of the new unit and will report to Dr. Ryan. It will be responsible for providing University-wide support service for instructional equipment, videotapes, slides and other media.

The former Division of Planning Studies will become two new units: the Office of Market Research and the Office of Program Planning. **Wayne Smutz**, acting director of Planning Studies, has been named acting director of the Office of Program Planning. A search is planned for the director of the Office of Market Research. The new units will take on additional responsibilities and continue the activities of Planning Studies, which included survey research, needs assessment, instructional design, and program planning and evaluation in the field of continuing professional education.

In line with the reorganization, Penn State Continuing Education has been designated a separate strategic planning and budgeting unit within the University.

Delegation observes Taiwan elections

The Center for East Asian Studies sponsored a delegation to observe the Dec. 21 National Assembly elections in Taiwan, Republic of China. The elections were the first held for the complete Assembly since its 1947 election on mainland China.

The delegation, headed by **Parris H. Chang**, director of the Center for East Asian Studies, was in Taiwan between Dec. 15 and 22.

Besides Dr. Chang, the delegation included Ambassador **Harvey Feldman**, former head of the Republic of China desk, U.S. Department of State; **Timothy A. Gelatt**, specialist on East Asian law and international business transactions, New York University School of Law; **John Martz**, acting head of the Department of Political Science; **W. Michael Reisman**, Wesley Newcomb Hohfeld Professor of Jurisprudence, Yale Law School; **Theodore Zang**, consultant with the International Human Rights Law Group, and **Peter Taege** of the Georgetown University School of Law.

Purpose of the delegation was to observe the elections and to evaluate the current status of Taiwan's political development and constitutional reform. Following the election, members of the delegation will write individual reports, which will be assembled by Dr. Chang for publication.

Nominations and applications sought for positions

McKeesport Campus

A Campus Advisory Search Committee for the position of campus executive officer at the Penn State McKeesport Campus has been appointed by **Robert E. Dunham**, senior vice president and dean of the Commonwealth Educational System.

Richard T. Obermyer, professor of physics at the McKeesport Campus, is committee chair. Members are **Ken Foltz**, Student Government Association representative; **Richard L. Henry**, assistant professor of exercise and sport science; **Marlene Hetrick**, secretary, and **Mary H. Preuss**, associate professor of Spanish, all at the McKeesport Campus; **David A. Long**, professor of civil engineering; **James B. Stewart**, vice provost; **Valerie N. Stratton**, assistant professor of psychology at the Penn State Altoona Campus, and **Edward S. J. Tomezsko**, campus executive officer at the Penn State Delaware County Campus.

Applications and nominations are encouraged for the position. The CEO is the chief administrative officer of the campus and is responsible for administering all of its University programs. The CEO also is responsible for maintaining close relationships with the communities in the campus service area.

Candidates should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration. Send two copies of resume to John Leathers, assistant vice president, Commonwealth Educational System, 111 Old Main, Department CHE University Park, PA 16802.

Application deadline is Friday, Jan. 17, or until a suitable candidate is selected.

Liberal Arts

The College of the Liberal Arts invites nominations and applications for the position of associate dean for administration, planning, and personnel. Applicants for the position must be tenured professors with significant administrative experience.

The associate dean will be responsible for managing academic personnel matters; non-academic personnel; international interdisciplinary programs; planning; public and internal information; space allocations; and other matters as assigned by the dean.

The position will be full-time beginning July 1, 1992; however, a part-time arrangement may be negotiated beginning March 1, 1992. Applications for this position will be assured of consideration if received by Feb. 1, 1992. However, applications will be considered until the position is filled.

Initial applications should include a cover letter, a curriculum vita, and the names of three references. Applications and nominations should be submitted to Susan Welch, 110 Sparks Building, University Park.

Hershey Medical Center

The Hershey Medical Center invites applications for the position of director of organization development. The position reports to the vice president for administration.

The responsibilities of this newly-created position will be: to develop and oversee an organization development program to improve both the quality of service delivered to internal and external groups and the work culture at the Medical Center; to evaluate training and development needs of employees and develop programs to meet these needs; to act as a consultant in the design of orientation, recognition, and incentive programs that reinforce the service mission;

To act as a facilitator to assist groups at all levels in clarifying goals, improving interpersonal processes, and overcoming resistances to change; to conduct research in the area of organizational changes and resistances to change; and to participate in departmental teaching, curricular, and student advising matters as a faculty member in a clinical department.

A doctoral degree, a record of academic accomplishments and five years of experience in organization development in a complex organization are required. Responsibility for an organization development program in an academic health science center and experience as a faculty member in a university are preferred.

Please send a letter describing your interest in the position and a curriculum vitae to: Charles W. Tandy, chairman, Director of Organization Development Search Committee, Hershey Medical Center, P.O. Box 850, Hershey, PA 17033.

See other 'Vacancies' on Pages 15 and 16.

New University procedures to affect faculty disclosure of entrepreneurial and related activities

Editor's Note: This is the first of four articles highlighting changes and important issues contained in the new "Intellectual Property, Technology Transfer and Entrepreneurial Activity Policies and Procedures" document. The articles were prepared by members of the Intellectual Property and Entrepreneurial Activities Committee, a subcommittee of the Administrative Committee on Research (ACOR).

Faculty Responsibilities For Disclosure

In July of 1990 the Board of Trustees approved new policies governing technology transfer, entrepreneurial activity, and intellectual property. Within these policies are requirements for disclosure to the University by the faculty of related activities. The following are highlights of the new policies:

■ University personnel who believe they may have developed an invention (including computer software) should immediately notify the cognizant University administrator (deans and department heads, program and center directors, officer supervisors, etc.) and University Intellectual Property Office.

■ Faculty are expected to inform cognizant University administrators of anticipated consulting activities prior to undertaking them. Faculty wishing to consult for organizations currently supporting their research through a grant or contract must obtain prior approval from the cognizant University administrators.

■ Faculty wishing to enter into a contractual relationship with a faculty company (defined as an enterprise, either non-profit or commercial, in which one or more faculty members have a proprietary or other significant interest) should disclose the precise nature of the proposed relationship to the cognizant University administrators. The involvement of University human resources requires the full knowledge and approval of the University.

The new policies exist to protect both the rights of the faculty and the University.

In general, the new policies exist to protect both the rights of the faculty and the University. Faculty and other members of the University community are encouraged to contact their associate deans for research and graduate studies or the University's Office of Intellectual Property early in the development of any of the above activities to facilitate the providing of assistance.

For additional information, please contact the Research and Technology Office, 865-6331.

Berkeley math professor to present Chemerda Lecture series in Science for 1992

Vaughan F. R. Jones, professor of mathematics at the University of California, Berkeley, will give the 1992 Chemerda Lectures in Science Jan. 13-16 at University Park.

The four-lecture series, "Knots and Braids in Mathematics, Physics, and Biology," is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Knots and Braids," 8 p.m. Monday, Jan. 13, Keller Conference Center auditorium; "Statistical Mechanics and Knot Invariants," 4 p.m. Tuesday, Jan. 14, 101 Althouse Laboratory; "Quantum Field Theory and Knots," 4 p.m. Wednesday, Jan. 15, 101 Althouse Lab, and "DNA Knotting and Linking," 4 p.m. Thursday, Jan. 16, 101 Althouse Laboratory.

Dr. Jones, a specialist in operator algebras, knot theory, and quantum mechanics, was awarded the 1990 Fields Medal, the mathematical sciences' equivalent of the Nobel Prize, for his 1983 discovery of a new polynomial invariant for knots. The "Jones Polynomial," as his discovery has since been named, has had applications in many areas, including statistical mechanics, quantum field theory, and biology.

A Fellow of the Royal Society, he was honored with a Guggenheim Fellowship in 1986 and an Alfred P. Sloan Research Fellowship in 1983.

Dr. Jones holds a bachelor's and master's degree from the University of Auckland in New Zealand and a doctoral degree in mathematics from the University of Geneva in Switzerland.

The Chemerda Lectures in Science are named in honor of John M. Chemerda, a member of the Penn State Class of 1935. The lectures are supported by a grant from Merck & Co., Inc., made in connection with an award conferred upon him by Merck's board of directors.

Vaughan F. R. Jones

Faculty Senate News

After hearing a report from the Committee on Undergraduate Instruction involving the University's Basic Skills Program, Faculty Senate members agreed that formal monitoring of the program is needed.

At its December meeting, Senate members endorsed the recommendations to investigate existing and needed resources at each campus, and to name an individual at each campus responsible for monitoring the Basic Skills Program. The Basic Skills Program is a collection of services for students entering the University with one or more deficiencies in communication or mathematic skills.

The recommendations came after committee members visited 19 campuses and two University affiliates and found no systematic reporting of student progress, limited data collection, and no formal evaluation of the program.

Implementation of computerized monitoring and a data collection system would involve more personnel and an increase in funding.

In other Senate matters:

● A forensic session on promotion and tenure procedures (PS-23) is tentatively scheduled for the Jan. 21 Senate meeting. George Bugyi, executive secretary of the Senate, said discussion will center on the four criteria currently used in tenure and promotion decisions. The four-cell approach includes: 1)teaching ability and effectiveness; 2) research or creative accomplishment; 3) scholarly performance and professional development; 4) public service.

Dr. Bugyi said the Senate is considering moving from the four-cell evaluation approach to a three-cell approach, by merging research and professional development into one evaluation category. No decisions will be made at the session, which is a forum for discussion of the issue.

University Park Calendar

January 9 -- January 19

Special Events

Thursday, January 9
Registration through Jan. 10.
Center for Minority Staff Development, 3:30-5 p.m., 319 Rider. Workshop, "Coping Strategies for Working in a Predominately White Environment," by Cynthia King.
Saturday, January 11
Fall Semester Commencement, 10 a.m., and 1:30 p.m., Rec Hall; 4:30 p.m., Eisenhower Aud.
Monday, January 13
Spring Semester classes begin.
Wednesday, January 15
Forum on Black Affairs, 6 p.m., HUB Ballroom. The 14th annual Rev. Dr. Martin Luther King Jr. Memorial Banquet. Theme: "The King Legacy...Reexamining the Dream."
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Vienna Choir Boys.
Thursday, January 17
Center for the Performing Arts, 8 p.m., Schwab Aud. Bartok. Also Jan. 18.
Trustees meet at University Park, through Jan. 18.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Jan. 9 and 14. Pa Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Seminars

Friday, January 10
■ Aerospace Engineering, Computational Fluid Dynamics, 1:25-2:15 p.m., 232 Hammond. Vadim I. Polezhaev, Academy of Sciences of the U.S.S.R., on "Continuous Flow Electrophoresis," and "Unidirectional Crystal Growth." Refreshments, 1:15 p.m., 233 Hammond.
Tuesday, January 14
Chemistry Colloquium, 3:30 p.m., S5 Osmond Lab. Steven M. Weinreb on "Strategies for Synthesis of Natural Products."

Exhibits

Palmer Museum of Art
Florence Putterman, "A Twenty Year Survey, 1970-1990," through Jan. 13.
Pattee Library
Main Lobby:
"Penn State's Presidential Families," through Feb. 29.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ Reflects an international perspective

As part of 'Art to Go,' this Japanese ceramic work by Kato Kiyoyuki titled 'Sculpured Vase' will be on display in January in the lobby of the Allen Street and Calder Way branch of Peoples National Bank.

Focus on the Arts

Pattee exhibit

The exhibit "Penn State's Presidential Families" is on display in the main lobby of Pattee Library through February 1992.

The exhibit, presented by the University Archives/Penn State Room, highlights photographs of all fifteen Penn State presidents including members of their families.

'Art to Go'

"Sculptured Vase," by Japanese ceramicist, Kato Kiyoyuki, will be on view in the lobby of the Allen Street and Calder Way branch of Peoples National Bank in State College during the month of January. The vase is part of the permanent collection of the Palmer Museum of Art.

An accomplished painter and maker of utilitarian pottery, Mr. Kiyoyuki is best known for his abstract ceramic sculpture. "Sculptured Vase" is made of colored clays native to the geographical region of Bizen and finished with an ash green glaze. Its top-heavy, rectangular shape reflects Kiyoyuki's interest in abstract forms and ambiguities.

As part of the continuing "Art to Go" exhibition, the public is invited to view this and a new work each month from the Museum's permanent collection at Peoples National Bank. Funding for "Art to Go" is provided by the Friends of the Palmer Museum of Art.

Institute Fellows

The Institute for the Arts and Humanistic Studies has awarded 12 Faculty Research Fellowships for January to June. The recipients and their projects are:

— **Amato Micaela**, assistant professor of art, to create a room installation of six glass relief paintings with neon text and welded steel footings.

— **Phyllis Cole**, associate professor of English at the Delaware County Campus, to complete a biography of Mary Moody Emerson, aunt and mentor of Ralph Waldo Emerson.

— **David DiPietro**, assistant professor of art at the Fayette Campus, to create a series of landscapes in a variety of media.

— **Mark Fearnow**, assistant professor of theater arts, to work as director-dramaturg for a new play, "Lasting Alone (With Cosmos)" by Bill Lash.

— **Alan Knight**, professor of French, to do research for an ongoing series, "Records of Early English Drama."

— **Kang Liu**, assistant professor of comparative literature and Chinese, to prepare a manuscript on recent developments of cultural and Marxist theory in China.

— **William B. McCarthy**, associate professor of English at the DuBois Campus, to prepare a comprehensive anthology of American fairy and folk tales.

— **Linda Miller**, associate professor of English at the Ogontz Campus, to edit Hemingway's "Pilar" log.

— **Daniel Nadenicek**, assistant professor of landscape architecture, to study the relationship of transcendentalism to the emerging profession of landscape architecture.

— **Reiko Nemoto**, assistant professor of comparative literature and Japanese, to do research for a book, "Memories of World War II: Victimization and Guilt in Postwar Japanese and German Fiction."

— **James Ross Sweeney**, professor of medieval history, to complete a manuscript, "Hungaria Pontifica."

— **Elizabeth Walters**, associate professor of art history, to participate in an excavation at Hierakonpolis, Egypt, and to continue research on the Goddess Isis.

Partings

Two Hershey Medical Center professionals retire after lengthy, distinguished careers

Salvatore A. Fulginiti, associate vice president for health finance and controller at the Hershey Medical Center, has retired after 23 years service.

Mr. Fulginiti began his Medical Center career in 1968 as an executive accountant, and was named deputy controller in February, 1971. In 1982, he was appointed controller, and was named associate vice president in 1984.

He has served under four university presidents, three deans, and two senior vice presidents for financial affairs.

"Sal Fulginiti has been an integral part of this institution for many, many years," C. McCollister Evarts, senior vice president for health affairs and dean of the College of Medicine, said. "His service has been great; his loyalty unquestioned, and his credibility unmatched. The institution and I will miss him greatly."

"Sal Fulginiti will be missed greatly by the University," Steve A. Garban, senior vice president for finance and operations and treasurer, said. "He has played a strong role in the development and growth of the Medical Center. His financial expertise, knowledge and integrity have been invaluable in these founding years. I will miss him as a colleague and friend."

Mr. Fulginiti holds a B.S. degree from American University and is a certified public accountant. He is a member of the Pennsylvania and American Institutes of Certified Public Accountants, as well as the Association of American Medical Colleges Group on Business Affairs. Before joining the Medical Center staff, he was a certified public accountant for Haskins & Sells, working in New Orleans and Philadelphia.

He and his wife, Florence, former director of volunteer services at the Medical Center, live in Hershey. They have three children and four grandchildren. "Future plans," he says, "include spending more time with our children and grandchildren."

Robert B. Greer III, associate dean for medical education and professor and chief, Division of Orthopaedic Surgery, at the Hershey Medical Center, has retired after 20 years service.

Dr. Greer came to the Medical Center in 1971 as an associate professor and chief of the Division of Orthopaedic Surgery. In 1974, he was named professor and in 1985 was appointed Michael and Myrtle Baker professor of surgery. In 1987, he was named associate dean for medical education.

"The institution and I will miss Bob Greer—as a surgeon, a teacher, a scholar, and an educator," Dr. Evarts, said. "His quick wit, depth of knowledge and candor have been the hallmarks of orthopaedics during these past 20 years."

Dr. Greer received his B.A. degree from Haverford College in 1956 and graduated cum laude from Harvard Medical School in 1960. He completed residency training at the University of Pittsburgh Medical Center in 1967.

A member of many local, state and national medical and specialty organizations, he most recently served as president of the American Board of Orthopaedic Surgery. He also is serving as chairman of the examination, executive, and research committees, and is the organization's representative to the American Board of Medical Specialties.

For retirement, Dr. Greer has commissioned a 46-foot trawler to be completed by mid-1992. The ship, with a range of 2,300 miles, will be his office/home. Complete with computers, fax and cellular telephone, it will allow him to continue to contribute to his profession as he has done for more than 30 years.

The first thing he plans to do is enroll in the MTA Diesel Mechanics School of Harrisburg for four months. "If I'm going to be out there on my floating office," he says, "I better know how to fix things that might go wrong."

Salvatore A. Fulginiti

Robert B. Greer III

Number of employees end service to University

Carl A. Albert, utility equipment operator A at Hershey, from Sept. 1, 1967, until Oct. 6, 1972, and from Feb. 6, 1989, until Dec. 29.

Ivalou J. Bartley, patrol dispatcher, University Safety, from May 31, 1972, until Jan. 1.

Lawrence C. Bednar, food service worker at Hazleton Campus, from April 25, 1977, until Jan. 1.

Marlene J. Bowser, senior clerk, Hershey Medical Center, from May 1, 1972, until Jan. 1.

David L. Colton, director, development field services, Intercollegiate Athletics, from June 19, 1972, until Jan. 1.

Jeane R. Ferree, bookstore manager at Mont Alto Campus, from July 3, 1978, until Jan. 1.

Robert E. Gawryla, electronics/electrical engineer, Office of the Physical Plant, from March 13, 1978, until Jan. 1.

Luella Gosthnian, storeroom clerk C, Hershey Medical Center, from Aug. 22, 1973, until Nov. 24.

Betty R. Hazel, secretary B, Agriculture, from Nov. 1, 1975, until Jan. 1.

Dorothy E. Hiles, secretary C at Behrend College, from Aug. 31, 1979, until Oct. 1.

David L. Hill, extension agent, Agriculture, from Jan. 2, 1976, until Aug. 24.

Beryle B. Imboden, patient care secretary, Hershey Medical Center, from Dec. 24, 1972, until Dec. 28.

Ruth A. Kilhofer, secretary A, Commonwealth Educational System, from Feb. 10, 1977, until Jan. 1.

Richard P. Lerner, professor of child adolescent development, Health and Human Development, from Sept. 1, 1976, until July 1.

Judith G. Meek, records clerk A, Academic Services, from Aug. 1, 1983, until Jan. 1.

Phillip E. Nickolas, group leader—plumber pipe fitter, Hershey Medical Center, from Aug. 2, 1976, until Dec. 28.

Phyllis N. Ream, food service worker, Housing and Food Services, from April 4, 1972, until Nov. 2, 1979, and from March 23, 1987, until Jan. 1.

Herbert L. Reese, janitorial worker, group leader, Office of the Physical Plant, from May 21, 1973, until Jan. 1.

Rosemary E. Reese, janitorial worker, Office of the Physical Plant, from Oct. 14, 1974, until Jan. 1.

Lewis E. Rusnak, janitorial worker, Office of the Physical Plant, from Jan. 12, 1981, until Jan. 1.

Anthony G. Rusonis, maintenance mechanic A, DuBois Campus, from July 17, 1972, until Jan. 1.

John B. Townsend, group leader, mail clerk at Hershey, from Feb. 2, 1976, until Jan. 1.

Ardell W. Tyson, coordinator of AIS operations, Academic Services, from Nov. 1, 1964, until Jan. 1.

William A. Vogely, professor of mineral economics, Earth and Mineral Science, from July 1, 1974, until Jan. 1.

Grace T. Younginger, assistant to the senior vice president for administration, President's Office, July 12, 1972, until Jan. 1.

Partings

Associate dean of Graduate School retires

Howard B. Palmer, senior associate dean of the Graduate School and professor of energy science, has retired after 36 years of service.

For the past eight years, Dr. Palmer has been responsible for Graduate School operations and policies as well as procedures and standards concerning advanced-degree programs, faculty and students.

His teaching and research interests have included flames and combustion processes, kinetics of fast gaseous reactions, spectra and photon yields in chemiluminescent gaseous reactions, PVT behavior of fluids, carbon formation and vaporization and solar gas turbines for power production.

Widely published in his field, Dr. Palmer also has directed the research of 35 graduate students and postdoctoral scholars. He served as U.S. editor of Combustion and Flame, the international journal of the Combustion Institute for 12 years. He has been a consultant or adviser to many industrial and governmental organizations.

Howard B. Palmer

He is a senior fellow of the Institute of Energy, fellow of the American Association for the Advancement of Science and a fellow of the American Physical Society. He is a member of the board of directors and the executive committee of the Combustion Institute, in which he served as vice-president from 1894 to 1985 and as president from 1985 to 1988.

Dr. Palmer graduated with honors in chemistry from Carnegie Institute of Technology in 1948 and received his doctorate in physical chemistry from the University of Wisconsin in 1952. He joined the University faculty as an assistant professor of fuel technology in 1955 and was named head of the Fuel Technology Department in 1959.

He and his wife, Kathy, are parents of three sons and are active in community and church affairs. Dr. Palmer's main avocation is music. He is an accomplished pianist and also has composed several vocal and instrumental works. In retirement, he plans to continue some of his professional activities while spending more time with family, church, music, tennis and gardening.

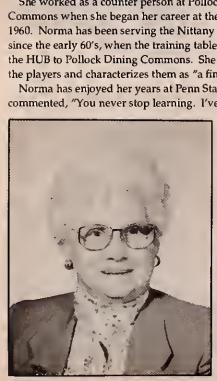
Three decades of service come to close for food service workers

Norma J. Carlson, food service worker at Pollock Dining Commons, has retired after 31 years service.

She worked as a counter person at Pollock Dining Commons when she began her career at the University in 1960. Norma has been serving the Nittany Lion football team since the early 60's, when the training table was moved from the HUB to Pollock Dining Commons. She said she will miss the players and characterizes them as "a fine bunch of guys."

Norma has enjoyed her years at Penn State and commented, "You never stop learning. I've really enjoyed working with the students—they're part of me!"

"I have so many fond memories and I still like my job," she said. However, Norma is looking forward to her free time. She plans to do some traveling with her husband and spend time with her mother, children and grandchildren.



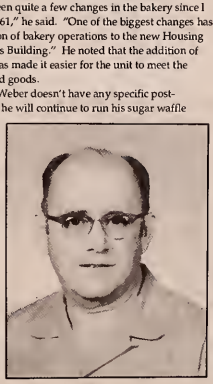
Norma J. Carlson

Robert C. Weber, machine operator in the bakery in Housing and Food Services, has retired after 30 years service.

"There have been quite a few changes in the bakery since I started here in 1961," he said. "One of the biggest changes has been the relocation of bakery operations to the new Housing and Food Services Building." He noted that the addition of two new ovens has made it easier for the unit to meet the demand for baked goods.

Although Mr. Weber doesn't have any specific post-retirement plans, he will continue to run his sugar waffle concession in the summer months. For the past 20 years, he has operated a concession stand at the Grange Fair and other summer carnivals.

In summarizing his feelings about retirement, he said, "I'll miss the people here at Penn State—and I'll miss the baking."



Robert C. Weber

Faculty members retire after more than 20 years of teaching, research

Robert Peck, assistant professor of German and humanities at the Penn State DuBois Campus, has retired after 23 years service.

Besides teaching German, Professor Peck taught humanities classes involving the complex relationships of science, technology, and society (STS).

He holds an A.B. from Harvard University and an M.A. from the University of Washington. He indicated that it took him over eighteen years to earn his bachelor's degree.

"I took a 14-year leave of absence between my seventh and eighth semesters," he said. During that time, he lived and worked as a member of a German-speaking intentional community made up of over 600 people from 21 nations. "An intentional community is one where people live together in order to put into practice an idea, in this case, primitive Christianity."

Professor Peck began teaching classes in German and English at Penn State DuBois in the fall of 1968 and began teaching humanities during the winter of 1969. Prior to coming to DuBois, he worked at a Quaker boarding school in Ohio.

Suzanne T. McDaniel, senior scientist and professor of acoustics at the Applied Research Laboratory, has retired after 22 years of service.

At ARL, her research has focused on underwater acoustic and electromagnetic propagation and scattering, acoustic interaction with marine sediments and signal processing of stochastic fields.

She is the co-author of the book, Ocean Acoustic Propagation by Finite Difference Methods, and the author or co-author of more than 50 scientific publications. A Fellow of the Acoustical Society of America in 1983, she was the H. Burr Steinbach Visiting Professor at the Woods Hole Oceanographic Institution in 1986.

After working as a systems engineer for American Bosch Arma Corp. from 1957 to 1960, Dr. McDaniel joined Penn State as a graduate assistant in the Department of Physics in 1967. She received a bachelor's degree in physics from Bucknell University in 1957, a master's degree in physics from Adelphi University in 1963 and a doctorate in physics from Penn State in 1972.

In retirement, she continues to pursue her research interests and is devoting more time to gardening, hunting and woodworking.

Penn Staters

Frank Ainger, visiting scientist at the Materials Research Laboratory, has been elected president of the British Association of Crystal Growth.

Stanley Baker, professor of education, and **Ann T. Greeley**, assistant professor of counseling psychology, along with Thomas G. Daniels, Memorial University of Newfoundland, Canada, received the annual research award from the North Atlantic Regional Association for Counselor Education and Supervision.

Ram B. Bhagat, senior research associate, Intercollege Research Programs, and associate professor of engineering science and mechanics, presented three papers at the Eighth International Conference on Composite Materials in Honolulu, Hawaii. He also organized ten sessions on Metal, Intermetallic, and Ceramic Matrix Composites and chaired two sessions.

William L. Boyd, professor of education, made a number of invited presentations as part of his Fulbright Scholarship at the Fourth International Congress on School Effectiveness and Improvement, Cardiff, Wales; the British Fulbright Commission's Congregation on Fulbright Students, Scholars, and Fellows, London, England, and at the Centre for Educational Sociology, University of Edinburgh, Scotland.

Diane Brannon, associate professor of health policy and administration, and **Andrea Streit**, HPA doctoral candidate, co-wrote "The Predictive Validity of the Job Characteristics Model for Nursing Home Work," which was awarded first prize from the Health Care Administration division of the Academy of Management.

Jean Brenchley, professor of microbiology and biotechnology, represented United States biotechnology at the U.S.—German conference on "Bilateral Cooperation in Science and Technology" at the former East German Academy of Sciences in Berlin.

Joseph Britton, professor emeritus of human development, will receive the 1992 Clark Tibbitts Award from the Association for Gerontology in Higher Education for outstanding contributions to the advancement of gerontology as a field of study in higher education.

Tarasankar DebRoy, professor of materials science and engineering, received the Adams Memorial Membership Award of the American Welding Society in recognition of outstanding teaching activities.

Harold Doran, associate professor of agricultural education and agricultural economics, has been honored for 50 years of service to cooperative business education programs by the Pennsylvania Council of Cooperatives.

Phillip Durst, associate extension agent in Snyder County, was a national winner in the slide set and newsletter categories in competition sponsored by the National Association of County Agricultural Agents.

Francis Dwyer, head of the Department of Adult Education and Instructional Systems in the College of Education, has been named the 1991 recipient of the Instructional Visual Literacy Association's Research Award for 25 years of sustained research in the area of visual learning.

Ellen Fabian, assistant professor of education, recently received the New Career in Rehabilitation Education Award from the National Rehabilitation Association.

Gideon S. Golany, distinguished professor of urban design, presented the invited paper, "Can We Live in Geo-Space?" at the Fourth International Conference on Underground Space and Earth Sheltered Buildings in Tokyo.

Kenneth Gray, associate professor of vocational education, College of Education, has received the G. Harold Silvius Outstanding Scholarship Publication Award for manuscripts deserving meritorious recognition.

Carl Haeseler, professor of pomology, has received the 1991 Perpetual Monteith Trophy for 30 years of outstanding work in grape growing for premium wine throughout the eastern states.

Edwin Herr, distinguished professor of education, has been elected to the board of directors of the International Association for Educational and Vocational Guidance.

Henry Johnson, professor of education, delivered a keynote address at the "Segundo Seminario de Docencia Universitaria a Distancia," of the Universidad Estatal a Distancia, San Jose, Costa Rica.

Harvey R. Kelly Jr., assistant professor of speech and communication at the Penn State Beaver Campus, has been elected first vice president-elect of the Eastern Communication Association (ECA).

Ke Chung Kim, curator of the Frost Entomological Museum and professor of entomology, made presentations at symposiums in Seoul and at Kangweon National University in Chuncheon. While in South Korea, he also conducted seminars at Kyungbuk National University in Daegu and at Chonbuk National University in Chonju.

Robert LaPorte Jr., professor of public administration, was the distinguished lecturer for the 40th anniversary celebration of the United States Educational Foundation in Pakistan. He presented a series of lectures in Islamabad, Lahore and Karachi in November.

Peirce Lewis, professor of geography, has received the Pennsylvania Geographical Society's Distinguished Geographer Award.

Kenneth McGeary, director of continuing education, and **Stanley J. Nowak**, assistant professor of Spanish, humanities, and social science, both at the Penn State Allentown Campus, participated in the First International Congress of the National Mexican Continuing Education Association and the Continuing Education Alliance of North America meeting in Guadalajara, Mexico.

William G. Meacci, associate professor of exercise and sport science at the Penn State Beaver Campus, has been selected as the 1991 Western Pennsylvania Collegiate Conference Golf Coach of the Year.

Robert B. Mitchell, associate professor of biology and director of the premedicine and science majors in the Eberly College of Science, has been named the 1991 Outstanding Faculty Member by the Penn State chapter of Golden Key National Honor Society.

Richard C. Nelson, head of the Department of Exercise and Sport Science; **Peter Brown**, men's swimming coach; **Bruce D. Hale**, athletic academic counselor; **Michael Lynch**, team physician in the Center for Sports Medicine, and **Deanna M. Waalkes**, instructor in health education, made presentations at the second International Olympic Committee World Congress on Sport Sciences in Barcelona, Spain.

Robert Neuhard, coordinator of the Office of Clinical Experiences in the College of Education, has received the 1991 Teacher Educator of the Year Award from the Pennsylvania Association of Colleges and Teacher Educators.

Robert E. Newnham, Alcoa professor of solid state science, has been selected as the recipient of the 1992 International Ceramics Prize by the Council of the Academy of Ceramics.

Peter Rubba, professor-in-charge of science education in the College of Education, has been appointed to the National Board for Professional Teaching Standards, Early Adolescence/Science Standards Committee.

Paul M. Smith, assistant professor of forest products marketing, gave an invited paper at an international symposium, "International Trade in Forest Products, Around the Pacific Rim," in Seoul, Korea.

Steven Smith, professor of music, has been selected Pennsylvania Music Teachers Association Teacher of the Year for 1991.

David C. Swanson, assistant professor of acoustics and research associate at the Applied Research Laboratory, will present an invited paper titled "Lattice Embedding Techniques for Active Noise Control" at the INTERNOISE 91 meeting of the Institute of Noise Control Engineers in Sydney, Australia, in December.

Patrick T. Terenzini, professor of higher education and co-director of the National Center on Postsecondary Teaching, Learning, and Assessment, headquartered in the Center for the Study of Higher Education, has received the Research Achievement Award of the Association for the Study of Higher Education for "his significant contribution to the study of higher education."

Stephen Wallner, professor and head of horticulture, has been named editor of Plant Stress, a new international journal to be published by the American Society of Horticultural Science.

Barbara Wisch, assistant professor of art history, and **Susan Scott Munshower**, instructor in art history, edited the two-volume work, "All the world's a stage...' Art and Pageantry in the Renaissance and Baroque," Papers in Art History from the Pennsylvania State University, which was designated one of four finalists for the 1991 Barnard Hewitt Award for Outstanding Research in Theatre History.

Garlic: Possible breast cancer inhibitor

John Milner studies the effect garlic has on inhibiting the incidence of tumors. (Photo: Greg Grieco)

A University researcher is studying garlic as a possible inhibitor of breast cancer.

"Garlic is not a cure, but it is a factor to be given additional consideration for its health promotional qualities," says John Milner, head of the Nutrition Department in the College of Health and Human Development.

In laboratory experiments, when animals are treated with the cancer-causing chemical, 7, 12 dimethylbenz(a) anthracene, normal mammary cells are changed into cancer cells, Dr. Milner says.

"This chemical causes mammary cancer in rats and other experimental animals. Its binding to the DNA is thought to change a normal cell into a tumor cell."

To study the effect of garlic on inhibiting the production of tumors and incidence of tumors, researchers put substantial quantities of garlic into rats' diets.

"We have not detected any ill effects in the rats that consumed the garlic preparation," Dr. Milner says.

These studies have shown that garlic inhibits the occurrence of mammary tumors, he says, pointing to a drop in binding of the carcinogen to the DNA as the likely explanation for the reduction.

"In some studies, we observed a 70 percent reduction in the number of tumors. This marked reduction is incredibly exciting and places a whole new emphasis on the importance of this condiment in our diet." .

Scientists have known for some time that garlic contains various interesting compounds that could theoretically have some cancer-preventing effects.

"People in the United States don't include a lot of garlic in their diets, compared to the diets of people in other countries," Dr. Milner says. "Maybe increasing the garlic content of the American diet would help reduce our susceptibility to certain types of cancer."

"The largest garlic consumption is among people in Japan, China and Korea. Studies show they have an entirely different cancer susceptibility than Americans and do not suffer from colon, breast and lung cancer to the extent we do in this country," Dr. Milner says. "Maybe their intake of garlic is one factor accounting for this difference."

Breast cancer is one of the major killers of women in the United States. In 1990, more than 150,900 new cases of breast cancer will be reported, according to estimates by officials at the American Cancer Society.

The true medical benefits of garlic are unknown, Dr. Milner says. Likewise the cancer inhibitor that is apparently in garlic may be in related foods such as onions.

"We have no idea of the exact mechanism by which garlic acts at this point. We have found that with our model, garlic is inhibiting the binding of the carcinogen to the DNA hereditary material.

"What causes this reduction is the focus of our future studies. Human studies are premature at this time but hopefully not too far into the future. I am very impressed and encouraged with results of the studies that have been run so far."

— Kimberley Yarnell

Appointments

James C. Young has been named the first holder of the Stan and Flora Kappe professor of environmental engineering in the College of Engineering and Department of Civil Engineering.

An internationally recognized expert in water and wastewater treatment systems, Dr. Young holds four patents and numerous publications relating to that technology. He also has developed analytical methods for assessing the effect of pollutants on water quality and currently is completing a study of the impact of toxic industrial chemicals on wastewater treatment processes.

At Penn State, he is directing an expansion of the environmental engineering program, through a range of activities, including enhancing graduate and undergraduate course offerings; renovating of laboratories; installing new equipment for general student and faculty use; expanding research activities, and developing an undergraduate minor in environmental engineering, to be available Fall 1992.

A Diplomate of the American Academy of Environmental Engineers, Dr. Young is active in numerous professional societies. He chairs the Biochemical Oxygen Demand Task Group of the Standard Methods for the Examination of Water and Wastewater Committee. Prior to coming to Penn State, he was professor and head of civil engineering at the University of Arkansas, Fayetteville. He also served on the faculty at Iowa State University.

Dr. Young received his bachelor's and master's degrees from New Mexico State University in civil engineering and a Ph.D. from Stanford University in environmental engineering.

The Stan and Flora Kappe professorship of environmental engineering was established with a gift from Stan Kappe, a 1930 graduate in sanitary engineering. Mr. Kappe was founder of Kappe Associates Inc., an environmental engineering consulting firm, and was a life-long supporter of education and professional advancement in environmental engineering.

James C. Young

Marianne L. Karwacki has been appointed learning disability specialist in the Office for Disability Services.

In her new position, she plans, organizes and delivers services to students with learning disabilities.

A graduate of East Stroudsburg University with a B.S. degree in special education, she received a master of education degree in special education at Penn State.

Prior to joining the University staff, she was a teacher's aide and a learning disabilities teacher in the Central Intermediate Unit.

She is a member of the Association for Children and Adults with Learning Disabilities.

Marianne L. Karwacki

Nancy A. Thompson has been appointed bookstore manager at the Penn State Altoona Campus.

Ms. Thompson, who has a degree in elementary education from Indiana University of Pennsylvania, was a substitute teacher for several area school districts prior to joining the University staff. Previously, she had managed the bookstore at Mount Aloysius for more than 11 years.

She replaces Shirley L. Fedeli, who has retired.

Promotions

Staff Exempt

Judith A. Albin, to assistant director in Student Services.
Patricia G. Auker, to supervisor, accounting control in Corporate Controller's Office.
Leanne Baughman, to programmer in C&IS - Management Services.
Lisa A. Berkey, to project manager in Office of Physical Plant.
Robert J. Booz, to director, Research and Development in Research and Graduate School.
Katherine S. Delfino, to assistant director, Admissions/Graduate Admissions at Penn State Erie, The Behrend College.
Roger A. Files, to applications programmer/analyst in C&IS - Center for Academic Computing.
Scott M. Fotorny, to computer support specialist in Undergraduate Education.
Paul C. Harrison, to strength training coach in Intercollegiate Athletics.
Daryl R. Hoffman, to programmer/analyst in C&IS - Center for Academic Computing.
Norma R. Lash, to assistant extension agent in College of Agriculture.
Cynthia D. Raynak, to senior applications software designer in Continuing Education.
Deborah L. Shaffer, to senior project associate in College of Agriculture.
Sheila K. Spangler, to research support assistant at Hershey Medical Center.
Denise J. Surovec, to assistant to the financial officer 1 in Liberal Arts.
Paul H. Sweinhart, to supervisor, computer operator at Hershey Medical Center.

Staff Non-Exempt

Colleen L. Curran, to licensed practical nurse/medicine at Hershey Medical Center.
Mary A. Hibshman, to MOHS technician at Hershey Medical Center.
Diane M. Paules, to administrative aide in Eberly College of Science.

Clerical

Kathleen C. Barefoot, to secretary C in Health and Human Development.
Tammy J. Bush, to secretary C in College of Agriculture.
Tiffany V. Conner, to secretary C in Continuing Education.
Yvonne D. Fields, to technical secretary C in Applied Research Lab.
Wanda L. Givler, to clerk, transcript A in Academic Services.
Betty J. Good, to secretary B at Ogontz Campus.
Debra L. Haddad, to secretary B at Penn State Erie, The Behrend College.
Beatrice M. Hetrick, to purchasing clerk in Purchasing Services.
Diane L. Hunt, to secretary C at Penn State Erie, The Behrend College.
Cheryl L. Makowiec, to secretary B in College of Engineering.
Debra A. McKeever, to secretary B at McKeesport Campus.
Barbara L. Meeker, to secretary B in Division of Development and University Relations.
Cynthia M. Morris, to accounting clerk at Penn State Harrisburg.
Trudy L. Reese, to accounting clerk in College of Engineering.
Patricia L. Tate, to technical secretary C in Applied Research Lab.
Jo Anne M. Wright, to senior clerk at Ogontz Campus.

Technical Service

Melanie B. Beckey, to patient care assistant A at Hershey Medical Center.
Barry G. Dubbs, to driver helper general in Office of Business Services.
Randy J. Gilliland, to refrigeration technician in Office of Physical Plant.
Robert A. Jones, to AV delivery worker in Continuing Education.
Judith A. Kane, to residence hall worker in Housing and Food Services.
David A. McGeary, to maintenance worker utility in Office of Physical Plant.
Harold E. Millard, to maintenance worker utility in Office of Physical Plant.
Paul K. Saupp, to maintenance mechanic in Office of Physical Plant.
Bessie F. Shank, to table attendant in Nittany Lion Inn.
Arthur D. Walker, to preventative maintenance worker in Office of Physical Plant.
George Witkowski, to maintenance mechanic A at Worthington Scranton Campus.
Ronald A. Yascavage, to storeroom worker at Hershey Medical Center.

Awards

University Relations staff honored for excellence

Joseph G. Biscontini

The Commonwealth Educational System Office of Development and University Relations has presented its annual Program Excellence Awards.

Joseph G. Biscontini, director of university relations at the Penn State Delaware County Campus received three awards: Development Excellence Award, University Relations Excellence Award, and Best Overall Program Excellence Award.

Judy Kalich

Judy Kalich, director of university relations at the Penn State McKeesport Campus, received the Alumni Relations Excellence Award.

Chrystal Rotz

Chrystal Rotz, secretary in the Office of University Relations at the Penn State Mont Alto Campus, received the Staff Support Excellence Award.

Research team awarded $95,000 from international consortium

A research team led by a University management expert has received one of the first major grants awarded by the International Consortium of Executive Development Research.

Meeting recently in London, ICEDR selected a proposal from **Charles C. Snow**, professor of business administration in The Smeal College of Business Administration, to investigate the human resource challenges presented by the development of transnational management teams in global, network corporations.

Working with Dr. Snow will be **Scott A. Snell**, assistant professor of management and organization; **Donald C. Hambrick**, professor of business administration at Columbia University; and **Sue Canney Davison**, a faculty member at the London Business School.

The $95,000 grant will permit the researchers to study corporations in North America, Europe and Asia to determine how the practice of human resource development has changed to keep pace with the evolution of multinational, multi-cultural management teams; how network firms link strategic planning and human resource development; what operating barriers exist for transnational teams; and how firms can measure their success in building these teams and network structures.

The Penn State-led project was one of only four selected from a field of 25 submitted by investigators from across the U.S. and Europe. Other awardees were from the Massachusetts Institute of Technology, the University of Michigan, the University of Southern California and IESE in Barcelona, Spain. A total of $300,000 was granted in ICEDR's inaugural round of funding.

The organization was founded earlier this year to examine and create innovative approaches to executive development in today's complex global economy.

Associate dean receives highest award for volunteer contributions

Peter D. Bennett

Peter D. Bennett, associate dean in The Smeal College of Business Administration, has been awarded the American Marketing Association's highest honor for volunteer contributions.

Recognized for his commitment to the continued growth and professional development of the marketing community, Dr. Bennett was presented the Wayne A. Lemburg Award for Distinguished Service.

During his 30-year association with the AMA, Dr. Bennett has served in several positions at the national level, including membership on the National Board of Directors and editor of the Dictionary of Marketing Terms and several other publications. He also is a founding member of the Central Pennsylvania Chapter of the AMA.

Dr. Bennett's major research interests concern issues in international marketing and consumer behavior. He holds bachelor's, master's and doctoral degrees from the University of Texas at Austin. A professor of marketing, he has been a faculty member at the University for 27 years.

The American Marketing Association is the world's largest association of marketing professionals with more than 48,000 professional and student members. The organization has more than 100 professional chapters in the U.S. and Canada.

Food science professor recognized for teaching efforts

Paul S. Dimick, professor of food science, has received the 1991 Outstanding Professor Award sponsored by the Eastern Regional Conference of the Institute of Food Technologists (IFT).

The award, which recognizes the contribution of professors to the education and training of future professionals in the food industry, carries a $1,000 honorarium.

Paul S. Dimick

Dr. Dimick, an authority on the origin of flavors and lipid chemistry, teaches undergraduate and graduate courses in food chemistry. He has served as thesis adviser for more than 30 master's and Ph.D. candidates in food science. Many of his students have become leaders in academia and major food companies.

He was nominated for the award by current and former students, colleagues and the Keystone section of the IFT. The IFT has more than 23,000 members nationwide.

Private Giving

Mateer Building project receives additional funding commitments totaling $170,000

Founder of Hoss's restaurants contributes additional $100,000

Willard Campbell of Hollidaysburg, founder of Hoss's Steak and Sea House Restaurants, has committed an additional $100,000 to help build a new home for the School of Hotel, Restaurant and Recreation Management. Two years ago, he made an initial gift of $50,000 for the project.

Construction on the 35,000 square-foot Mateer Building, named for Laura A. Mateer and her late husband, Marlin C."Matty" Mateer, longtime State College restaurateur, began last month. It will house the school's dining room, production and research kitchens, classrooms, technology center, hospitality information systems laboratory and offices. The school, a part of the College of Health and Human Development, enrolls about 800 students.

Construction costs are estimated at $6 million. The University has allocated $2.1 million, and the remainder will come from private gifts. The college also plans to raise more than $1 million from private benefactors for equipment for the new facility

Mr. Campbell is president of Prime Choice Inc. in Duncansville, which operates 26 Hoss's restaurants in Pennsylvania. He also is an officer of Weyant and Campbell Builders of Duncansville, and president of Bedford Ford Lincoln-Mercury and president of Hoss's Best Western Inn, Bedford.

Model of the new Mateer Building that will house the School of Hotel, Restaurant and Recreation Management

ARA makes second pledge of funds

In addition, ARA Services Inc. has pledged an additional $70,000 to help build the state-of-the-art Mateer Buiding . Added to a gift of $30,000 in 1989, the company's total commitment to the project now totals $100,000.

"We are very appreciative to ARA for this new commitment," Stuart H. Mann, director of the school, said. "The participation by such a major company will help us to provide better teaching and research laboratories and classrooms for students who wish to enter the hospitality industry."

ARA is one of the world's largest diversified service management companies, providing or managing food and refreshment services, distributive services, health and education services, textile rental, maintenance and laundry services and transportation services. The Philadelphia-based company has 134,000 employees worldwide.

The Mateer Building will be located near the Keller Conference Center at University Park.

Instructor Amir Khayomi, right, explains the new robotics equipment to Wilkes-Barre Campus student Kevin Sapp.

Community fund drive garners robotics lab for Wilkes-Barre Campus

A special community fund drive, led by Penn State Wilkes-Barre Advisory Board members **Mick Hudacek**, **Sheldon Mermelstein**, and **Robert Fortinsky** has helped the campus equip a new state-of-the-art robotics lab in its Center for Technology.

The new lab will allow students to work on the latest computer operated, lathe manufacturing machinery.

According to **Amir Khayami**, instructor in mechanical engineering, the new equipment helps the computer aid in the design of a manufacturing piece. The robot then places the raw material into a machine which will actually cut the manufactured piece.

"It not only increases precision," he said, "but eliminates the threat of repetitive motion injury on a production line. Our students will be able to enter positions in manufacturing knowing the latest in lathe technology."

The equipment, worth $120,000, was funded in part by a matching grant from the Carl Perkins Vocational Education Act.

Engineering and science

Shell Oil gives more than $71,000 to encourage teaching careers

The Shell Oil Co. Foundation has given more than $71,000 to support graduate students in engineering and science.

Included in the gift are two Shell doctoral fellowships totaling about $31,000. The fellowships are designed to encourage outstanding students to seek teaching careers. This year's recipients are **Angela R. Strzelecki** in chemistry and **Mark Fischer** in geosciences.

Houston-based Shell awarded four graduate grants of $10,000 each to the Departments of Materials Science and Engineering, Mining Engineering, Chemistry and Chemical Engineering. The departments may use these funds for graduate assistants, curricular improvements, equipment purchases, distinguished lecturers and other purposes that encourage creativity in teaching and research.

Vacancies

Continued from Page 16

degree, or equivalent, in science or business with four to seven years of effective experience. Familiarity with University and governmental procedures and policies and computer background desirable but not required. STAFF GRADE 8.

■ **02066, Programmer/Analyst, Office of Human Resources, University Park Campus** — Responsible to the manager, Information Systems, for the development and implementation of innovative data processing systems. Analyze and solve problems with existing systems and programs. Design, code, modify, and test new and exciting programs. Assist in applications systems design; design file and records layouts; design program specifications; assist in developing alternative solutions to problems, estimating time requirements and costs, and evaluating alternatives based on overall cost/performance and department requirements. Requires bachelor's degree, or equivalent, in computer science or related field and one to two years of effective experience in computer programming and systems design. This is a fixed-term position funded through June 30, 1993. STAFF GRADE 6.

■ **02067, Supervisor of Systems and Operations, Education, Instructional and Technological Support Services, University Park Campus** — Responsible for scheduling, installing and maintaining VAX, Macintosh and DOS computer systems. Perform or supervise programming necessary to meet needs. Requires bachelor's degree, or equivalent, in a technical area relevant to information systems development, plus one to two years of effective experience in data processing, production control activities. This is a fixed-term position funded through June 30, 1993, with re-funding very likely. STAFF GRADE 6.

■ **02068, Director of Marketing Communications, Continuing Education, University Park Campus** — Responsible to the associate vice president, Program Development. Manage all Marketing Communications activities to include write, edit, layout and design of publications, design and placement of advertisements in appropriate national, state and regional media; develop and produce newsletters, and maintenance of an extensive marketing/mailing list system. Requires bachelor's degree, or equivalent, in journalism, English, communications or related field plus five to seven years of effective experience in marketing communications. A master's degree is preferred. STAFF GRADE 8

■ **02077, Laboratory Assistant, Biotechnology, Senior Vice President for Research and Dean of the Graduate School, Biotechnology Institute, University Park Campus** — Responsible to the assistant director, Biotechnology Institute, for providing assistance and setups for workshops, seminars, and laboratories; for preparation of media, solutions, and other laboratory materials used in workshops; and for providing oversight of internal inventory of common use equipment. Requires associate degree, or equivalent, in a scientific field, plus six to twelve months of effective experience required. Familiarity with computer operation required. Laboratory experience preferred. This is a fixed-term position funded through Aug. 31, 1992. STAFF GRADE 3.

■ **02078, Administrative Aide, College of Arts and Architecture, Department of Theatre Arts, University Park Campus** — Responsible to the head, Department of Theatre Arts, for handling a wide range of administrative responsibilities relating to the artistic and production programs of the Department of Theatre Arts, to include support services in the day-to-day operation of the department and its programs, special projects, communications, public relations, University Resident Theatre Company, and Pennsylvania Centre Stage. Research and write a wide variety of documents, reports, correspondence, etc. Requires bachelor's degree, or equivalent, plus one to two years of effective experience in administration. Theatre administration work preferred. Excellent communication and interpersonal skills required. STAFF GRADE 5.

■ **02079, Director of Marketing Research, Continuing Education, Market Research and Program Planning, University Park Campus** — Responsible to the associate vice president, Program Development, for developing and directing market research strategies for Continuing Education. Requires master's degree, or equivalent, in marketing, social sciences, business or related field plus five to seven years of effective experience. Doctoral degree is preferred. This position requires excellent verbal and written communication skills and a working knowledge of statistics. STAFF GRADE 9

■ **02080, Public Information and Media Relations Specialist, Commonwealth Educational System, Worthington Scranton Campus** — Responsible to the director of university relations for organizing and conducting a comprehensive public information program for the campus. Fulfillment of this role will require involvement in the campus' outreach, marketing, and publicity programs. Responsible for the production of all campus publications. Requires bachelor's degree in journalism, English, communications, or equivalent, plus over one year up to and including two years of effective experience in newspaper and/or journalistic writing or public relations. Position requires a high level of skills, clarity and accuracy in oral and written communications. STAFF GRADE 6.

■ **02082A, Drafter/Designer, Electro-Mechanical, Applied Research Laboratory, University Park Campus** — Responsible to the supervisor, Design and Drafting, for the accurate performance of a wide variety of drafting operations, including layout and design work on all types of drawings for electronic, electro-mechanical, mechanical, hydraulic, and acoustic equipment and devices, and for the "packaging" design of electronic equipment. Requires associate degree, technical school training, or equivalent, in electro-mechanical drafting plus two to three year years of effective experience. U.S. citizenship required. STAFF GRADE 5.

■ **02029, Junior Engineering Aide, Applied Research Laboratory, University Park Campus** — Responsible to the project engineer or designated senior engineering aide for assistance in the fabrication, testing, installation, operation, and maintenance of non-standard electronic or mechanical parts, components, and equipment. Requires associate degree, or equivalent, in electrical or mechanical engineering technology program, and more than three months of effective experience. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required STAFF GRADE 3.

■ **02030, Engineering Aide, Applied Research Laboratory, University Park Campus** — Responsible to the project engineer or senior engineering aide for the layout, design, fabrication, and construction of standard electronic or mechanical components and equipment. Assist in conducting tests and with the collection, compilation and analysis of test data. Requires associate degree, or equivalent, plus two to four years of effective experience in the design and fabrication of experimental equipment. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required. STAFF GRADE 5.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **January 16.**

■ **10147, Research Analyst, Department of Nursing Services** — Responsible to the director, Center for Nursing Research, for assistance in the planning and design of nursing research protocols and the provision of research services to include the collection and analysis of data and the coordination of activities of other research assistants who may be hired for various projects. Requires a B.S.N. (Bachelor's in Nursing) from an accredited school of nursing, plus 1 to 2 years of clinical nursing experience. Must be a licensed registered nurse in the Commonwealth of Pennsylvania. STAFF NONEXEMPT, GRADE 5.

■ **10145, Patient Food Service Supervisor, Department of Food Services** — Responsible to the assistant food service manager for operation, scheduling and supervision of personnel in the Food Service Department. Requires a high school education plus 2 years of formal outside training or equivalency, and two to three years effective food service experience. STAFF EXEMPT, GRADE 5.

■ **10141, Director, Department of Human Resources** — Responsible to the assistant vice president for planning, human resources and marketing services for administering the Human Resource program at the Medical Center, including creating and establishing programs in accordance with the principles as established by the Department of Human Resources at University Park. Requires a bachelor of science degree, preferably in human resources or business administration, plus 5 to 7 years of effective human resource experience. STAFF EXEMPT, GRADE 9.

■ **10133, Senior Nurse Recruiter, Department of Human Resources** — Responsible to the director of human resources for supervising and coordinating nurse recruitment activities. Requires a bachelor's degree for equivalent) in business, nursing or related field over 2 and up to 4 years of effective experience. Registered nurse preferred. STAFF EXEMPT, GRADE 7.

■ **10128, Assistant Director for Engineering and Projects, Department of Physical Plant** — Responsible to director of physical plant for engineering functions and requirements as required for the operation of the physical plant whether self determined or purchased. Also responsible for all project coordination, including information acquisition, design, estimating, bidding, purchasing, and construction. Requires a bachelor's degree in engineering, business or related field plus 4 to 5 years of effective experience in the area of facility engineering design, construction, maintenance, operation and/or management. STAFF EXEMPT, GRADE 8.

■ **10118 Manager, Accounting Operations, Department of Deputy Controller** — Responsible to the deputy controller, for the supervision of staff accountants and the coordination of their work assignments in budgets, financial, payroll, student aid, and personnel matters. Advise and assist the deputy controller on administering University and Medical Center policies and procedures as well as the formulation of methods and procedures for University and Miscellaneous budget expenditure controls. Requires a bachelor's degree in accounting or equivalency, plus 4 to 5 years of effective educational institution accounting experience. STAFF EXEMPT, GRADE 9

■ **10121, Poison Information Specialist/College of Medicine, University Hospital Department of Emergency Services** — Responsible to the coordinator, Poison Center, for providing information, making patient assessments and treatment recommendations pertaining to poisoning and toxicology to medical and nonmedical persons, as well as prevention education and follow up care instructions. Registered nurse with current Pennsylvania Licensure or bachelor of science degree in pharmacy plus up to one year of effective experience in emergency or critical care nursing or poison center experience is required. Within two years of eligibility, must successfully complete the AAPCC certification examination for specialist in poison information. STAFF NON-EXEMPT, GRADE 4

In addition, there are a number of positions that, because of the frequency with which they become vacant, are still available after employees in the work unit have been considered. Some such positions are available on a fairly regular basis. They are not announced each time they are open. Instead, they are announced periodically so a pool of interested candidates can be developed. Applications for such positions may be made at any time, and you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions, all at the Applied Research Laboratory, are:

Position Title

■ 02031, Assistant Research Engineer

■ 02032, Associate Research Engineer

■ 02033, Research Engineer

■ 02034, Senior Research Engineer

Department head sought

Applications and nominations are invited for the position of head of the Department of Integrative Arts in the College of Arts and Architecture.

The major emphasis of the Department of Integrative Arts is undergraduate general education for University students at all locations. The department employs traditional and non-traditional approaches to the cultivation of the audience for the arts and the training of artists who are multi- or interdisciplinary in their focus.

The department head will be responsible for the coordination of departmental and faculty affairs at all campus locations, as well as for the recruitment, the professional development, and the evaluation of its faculty, in concert with the academic leadership of the individual campuses. Because of the department's heavy emphasis on teaching, the department head will be expected to teach. This is a 36-week academic year appointment with possible partial supplemental appointment during the summer session.

Candidates should possess a terminal degree and be tenured/tenurable in one of the represented disciplines of the College of Arts and Architecture and present evidence of successful experience related to undergraduate education for both traditional and non-traditional students.

The search committee will begin screening candidates on Jan. 15 and continue until an appointment is made. The appointment will be effective with the fall semester 1992.

Send resume with names of three references to: Professor Donald Kunze, chair, Department Head Search Committee, 111 Arts Building, University Park, Pa. 16802.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, January 16. DD NDT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 02024, **Art Specialist I, CE - Media and Instructional Support Services, University Photo/Graphics, University Park Campus** — Responsible to the supervisor, Graphic Services, for conceiving, designing and executing images to be used in a large variety of applications and for diverse audiences. These images may be charts, graphs, maps, illustrations, computer animations, designs for print, and two- and three-dimensional displays. The images might be utilized in 35mm slides, overhead transparencies, black and color hard copy, computer presentations and video tapes. Requires bachelor's degree, or equivalent, in art, plus one year of effective experience in graphic design, television graphics, illustration or animation. Experience in computer graphics is desirable. A portfolio is required at the interview. STAFF GRADE 5.

■ 02025, **Computer and Information Specialist, Housing and Food Services, University Park Campus** — Responsible to the manager, Housing and Food Services Information Systems, for assisting the information systems staff in responding to support calls for hardware, software, and network malfunctions. Requires associate degree, or equivalent, in computer operations plus one to two years of effective experience with data processing systems and equipment. Knowledge of DOS and Unix operating systems helpful. NOTE: SHIFT IS MONDAY THROUGH FRIDAY, 9 A.M. to 6 P.M. REQUIRES A VALID DRIVERS LICENSE AND USE OF PERSONAL VEHICLE. OCCASIONAL TRAVEL TO THE COMMDNWEALTH CAMPUSES REQUIRED. STAFF GRADE 4

■ 02026, **Aviation Instructor, Office of Business Services, University Airport, University Park Campus** — Responsible to the chief flight instructor for training, performance testing and progress of assigned students in the flight training program, as well as for instructing all phases of ground school for various pilot ratings. Must meet Federal Aviation Administration regulations for commercial pilot's license and have a flight instructor's certificate and an instrument instructor's rating. Must have at least 1,000 hours total flight time of which 500 hours must be as a flight instructor and must have a record of completing students in a flight training program. THIS IS A FIXED-TERM POSITION, FUNDED THROUGH JUNE 30, 1992. WITH GOOD POSSIBILITY DF RE-FUNDING. STAFF GRADE 6.

■ 02027, **Programmer/Analyst C, Vice President for Business and Operations, Management and Systems Engineering, University Park Campus** — Responsible to a senior staff member to apply structured design and programming techniques to develop and modify programs for business applications. Requires bachelor's degree, or equivalent, in a computer related field and six to nine months of effective experience in computer programming and systems design. Experience with COBOL required. Experience with VM/CMS, SQL, and CSP a definite plus. This is a fixed-term position funded through June 30, 1992. STAFF GRADE 5.

■ 02048, **Technical Assistant, Penn State Harrisburg,** — Responsible for working with municipalities on traffic safety technology transfer, including sign inventory programs. Develop and deliver technical assistance, workshops, and training materials. Requires bachelor's degree, or equivalent, in civil, transportation or related field of engineering or engineering technology plus one to two years of effective experience. NOTE: TRAVEL IS REQUIRED. STAFF GRADE 6.

■ 02049, **Network Support Specialist, Development and University Relations, Alumni Association, University Park Campus** — Responsible to the assistant executive director for alumni services for supporting the Division's PC Network to include installation, maintenance and operation of hardware and software problems. Requires bachelor's degree, or equivalent, in computer engineering or related field plus one to two years of effective experience. This is a fixed-term position funded through June 30, 1992, with good probability of re-funding. STAFF GRADE 6.

■ 02050, **Coordinator, Field Activities, Development and University Relations, Alumni Association, University Park Campus** — Responsible to the associate executive director, Alumni Relations, for providing support in alumni membership activities and for assisting other University departments and offices. Requires bachelor's degree, or equivalent, plus six to twelve months effective experience with alumni activities preferred. Written and verbal communications skills required. This is a fixed-term position funded through June 30, 1992, with good possibility of re-funding. STAFF GRADE 5.

■ 02051, **Art Editor, Development and University Relations, Department of Publications, University Park Campus** — Responsible to the director of Publications and University Editor for the design and topography of University publications, monitoring the progress of all design work and insuring that the highest standards possible are maintained. Requires bachelor's degree, or equivalent, with a major in art and from two to three years of effective experience in the graphic design of printed materials. Thorough knowledge of typography and graphic art processes and technology highly desirable. Supervisory capability and excellent communication skills and organizational ability also are required. STAFF GRADE 6.

■ 02052, **Manager Assignment Office, Housing and Food Services, University Park Campus** — Responsible to the director, Housing Services, for establishing and administering department policy and maintaining desired operating procedures of the Assignment Office in support of the Housing and Food Services operating divisions. Requires bachelor's degree, or equivalent, preferably in hotel or institutional management or business administration. Two to four years of effective experience is necessary. STAFF GRADE 7.

■ 02053, **Coordinator, Cooperative Education Program, Eberly College of Science, Cooperative Education Program, University Park Campus** — Responsible to the director, Cooperative Education Program, for identifying business prospects for participation, negotiating agreements, counseling and assigning student participants, assessing program effectiveness, and overseeing all program activities in director's absence. Requires bachelor's degree, or equivalent, in business, management or related field, plus two to three years effective experience in corporate relations and/or student counseling. Knowledge of word processing and spreadsheet applications required. Excellent verbal and written communication skills required. This is a fixed-term position funded for six months from date of appointment, with possibility of re-funding. STAFF GRADE 7.

■ 02063, **Technology Licensing Officer, Senior Vice President for Research and Dean of the Graduate School, Intellectual Property Office, The Milton S. Hershey Medical Center** — Responsible to the manager, Intellectual Property Office, for the handling and licensing of inventions of the Hershey Medical Center; develop and administer working relationships with industry directed toward the transfer of the University's intellectual property rights to the private sector, responsible for the day-to-day management of both plant and utility inventions from receipt to disposition, provide general information and assistance to faculty, staff, and organizational units concerning licensing, and technology transfer activities. Requires master's degree, or equivalent, plus two to four years of effective experience. STAFF GRADE 8.

■ 02064, **Health Physics Assistant, Senior Vice President for Research and Dean of the Graduate School, Health Physics Office, University Park Campus** — Responsible to the University health physicist for conducting contamination surveys of isotope laboratories, radiation sources, nuclear reactor, and related equipment and areas, the proper handling of radioactive waste material, and the proper use of instruments utilized in the administration of the reactor program. Requires bachelor's degree in a physical science, engineering, or mathematics with over one, up to and including two years of effective experience in laboratory work, preferably in radiochemistry, nuclear instrumentation or health physics. Pennsylvania Commercial Drivers License (CDL) required. STAFF GRADE 5.

■ 02065, **Contracts Specialist, Senior Vice President for Research and Dean of the Graduate School, Intellectual Property Office, University Park Campus** — Responsible to the manager, Intellectual Property Office, for meeting the requirements of the University and the various Federal and State agencies, as well as industrial concerns, with respect to the review and negotiation of contracts, agreements, invention disclosures and related licenses, and to provide recommendations as to acceptance and implementation. Requires bachelor's

See 'Vacancies' on Page 15

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January 16, 1992 Volume 21, Number 17

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Administrative Fellows Program nominations sought

The Office of the President is pleased to request applications and nominations for the Administrative Fellows Program for 1992-93. Two fellows are sought, one to serve under the mentorship of **John A. Brighton**, executive vice president and provost of the University, and the other under Steve A. Garban, senior vice president for finance and operations- treasurer.

The Administrative Fellows Program provides career development opportunities for women and minority faculty and staff. By serving under the mentorship of a senior level administrator, Fellows who are seeking the background necessary to compete at higher levels of administration will have an opportunity to broaden their perspectives and experience in higher education administration. Such an experience is designed to allow Fellows to become more effective in their existing positions within the University and to provide a base for them to consider more advanced positions in the future.

Objectives of the program include:

-- To identify women and minorities who have potential for effective leadership.

-- To increase the Administrative Fellows' awareness of the complexity of issues facing higher education and to enhance their understanding of the environment in which decisions are made.

-- To provide opportunities for Administrative Fellows to participate in a wide range of decision-making processes, learning activities, and program management so that they will be better equipped to understand the challenges of higher education administration upon completion of the fellowship.

Although completion of the program does not guarantee appointment to an administrative position at the University, persons who complete the program increase the pool of women and minorities interested in pursuing careers in University administration.

The selection criteria for Fellows are:

Full-time faculty or staff member; demonstrated success in their current position and interest in an administrative career; evidence of leadership experience and decision-making ability; ability to relate effectively with students, faculty, and staff, and an understanding and appreciation of cultural, ethnic and individual differences; willingness to accept a wide variety of assignments.

Women and minorities meeting these qualifications at all University locations are strongly urged to apply. The successful candidate will be placed on leave of absence from her or his current position and continue to receive a regular salary. The starting dates of each fellowship may vary depending on the office and the Fellow's commitments.

The successful Administrative Fellow will develop a learning plan outlining activities for the year, in consultation with either the provost or the senior vice president for finance.

The Fellows program is competitive. A screening and interview committee will recommend candidates to Dr. Brighton and Mr. Garban. Serving on the committee will be a representative from the Commission for Women, representatives from the offices where the Fellows will be placed, a past Fellow, and a representative from the Office of Human Resources.

Applications for the Administrative Fellows Program are available from the Office of Human Resources at 865-1387. Applications should be returned to the Office of Human Resources, Box 6, Rider Building, as soon as possible but no late than March 1. Persons interested in more information may call Robert L. Kidder at 863-4606.

Awards reminder

Billie S. Willits, assistant vice president for human resources, and chair of the general committee to solicit nominations for the Faculty and Staff Achievement Awards, reports that the deadline for submitting nominations for the McKay Donkin Award, John E. Wilkinson Award for Administrative Excellence, Barash Award for Human Services, and the Equal Opportunity Award has been extended to Feb. 1.

Nominations for the 1992 awards are encouraged from University and local community organizations and individuals. Nominators should contact the Office of Human Resources at 865-1412 to request a copy of a standardized format for submitting nominations.

Nominations should be sent to Billie S. Willits, Box 6, Rider Building, no later than Feb. 1. Supporting information which accompanies nominations should be as brief and specific to the award criteria.

The recipients of these awards will be honored at the convocation scheduled for Sunday, April 5, 1992.

Palmer Museum expansion

Work continues on the expansion of the Palmer Museum of Art at University Park. The expansion, designed by Charles W. Moore, is to be completed by the winter of 1992 and open in the spring of 1993. (Photo: Greg Grieco)

King celebration

The University's convocation honoring the memory of the Rev. Dr. Martin Luther King Jr. is scheduled for 4 p.m. Monday, Jan. 20, in Eisenhower Auditorium at University Park. The program will feature video and musical tributes and an address by Chuck Stone, University of Nortb Carolina Walter Spearman professor of journalism and mass communications, and retired *Philadelphia Daily News* columnist.

In order that faculty members and students may participate in this important event, University Park classes will be canceled from 3:45 p.m. to 5:15 p.m. for that day. Please be advised that the only exception that will be made regarding the cancellation of classes will be those where cancellation or rescheduling is impossible, such as certain laboratory sessions.

Similarly, University Park staff members also are excused from work starting at 3:45 p.m. so that they may attend the Eisenhower Auditorium event or watch it on television. Exceptions are made for persons in

See "King" on Page 4

Focus on Diversity

Full-time minority employment numbers go up

The number of full-time minority faculty and staff at the University has increased by 6.3 percent for 1991.

As of fall 1991, Penn State employs a total of 897 full-time African/Black Americans, Latinos/Hispanics, American Indians/Alaskan Natives, and Asian/Pacific Islanders.

"We are pleased to have made this progress," President Thomas said. He noted that the increase in minority faculty and staff at Penn State follows increases in minority student enrollment this year.

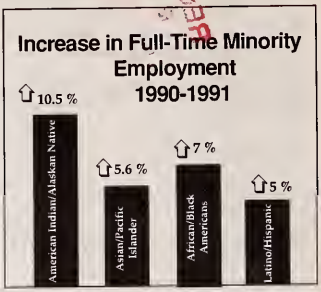
"We believe this makes this University a more welcoming place for minorities in general," Dr. Thomas said. "And we will continue to work on that important commitment."

Total minority employment at Penn State grew from 844 in fall 1990 to 897 in fall 1991, for an increase of 53 employees.

One of the largest percentage increases was observed among African/Black Americans, with 7 percent more this year — including 27 additional African/Black American faculty and staff members.

The changes in full-time minority employees includes:

- American Indian/Alaskan Native: 21 in 1991 compared to 19 in 1990, or an increase of 10.5 percent.
- Asian/Pacific Islander: 339 in 1991 compared to 321 in 1990, or an increase of 5.6 percent
- African/Black Americans: 411 in 1991 compared to 384 in 1990, or an increase of 7 percent.
- Latino/Hispanic: 126 in 1991 compared to 120 in 1990, or an increase of 5 percent.



Internship program for teachers reveals opportunities for students

High school teachers are learning more about the College of Health and Human Development as part of an unusual internship program.

The new program, called the Minority Research Apprentice Program (MRAP) for Science Teachers, is designed for teachers who want to expose their minority students to careers in science, especially health and human development. To increase their own knowledge of the field, two teachers spent seven weeks last summer touring labs and observing faculty in nutrition, physiology, communication disorders, health education, food service management, and other related areas.

The first year's participants were **Eva Patrick**, a biology and physical science teacher at Harrisburg High School, and **Shirley York**, who teaches biology and research methods for ninth graders at George Westinghouse High School in Pittsburgh. Both came away from the experience impressed with the opportunities available in the health field, and with the work taking place at Penn State.

"I'm fascinated at what you have here," Ms. Patrick said. "There's far more research here than I ever knew."

Ms. Patrick gave up a trip to Japan—sponsored by the Pennsylvania Department of Education—in order to participate in MRAP. "It was a difficult decision, but I want to make changes in my students' lives, in their education and career choices," she said.

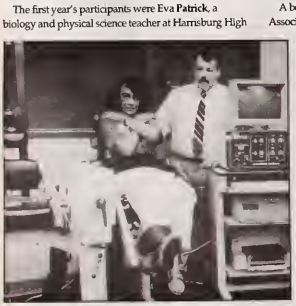
A board member of the National Education Association and the Pennsylvania Education Association, she plans to use her new Penn State contacts to help teachers in those organizations.

Ms. York chose Penn State after considering a program in Wisconsin.

"The Wisconsin program was for teachers who wanted to update their science knowledge," she explains. "At Penn State, there's more of an emphasis on research, and we can transfer that information to help our students with their own research projects and careers."

Ms. York says the contacts she made at Penn State will benefit her students. She's building a resource file so that if a student is studying health and human development, she can refer that student to a University researcher for more information.

The College of Health and Human Development has been offering a summer research program for minority high school students since 1986. An additional grant from the National Institutes of Health made it possible to extend the program to teachers.



Harrisburg High School science teacher Eva Patrick tries out a resistance-training device at Penn State's Center for Sports Medicine, while William Kraemer, director of research, watches.

Diversity Opportunities Calendar

Monday, Jan. 20
Penn State, University Park Campus, 4 to 5 p.m., Eisenhower Auditorium. A convocation in honor of the Rev. Dr. Martin Luther King Jr. Chuck Stone, University of North Carolina Walter Spearman professor of journalism and mass communications and retired Philadelphia Daily News columnist, will be the featured speaker.

Saturday, Jan. 25
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Promotion and Tenure is the topic of the first of a series of faculty development workshops. Harold E. Cheatham, professor of education, will be the speaker.

Jan. 13 to 31
Penn State University Libraries, daily, Pattee Library lobby and African American Studies Room. Exhibit titled, "Martin Luther King: The Civil Rights Movement." Features excerpts from speeches and photographs of Dr. King, including his visit to Penn State, and other civil rights leaders.

New video looks at portrayal of Black Americans on television

Audio-Visual Services has acquired a new video titled "Color Adjustment" (90842,VH). This program is a comprehensive analysis and illustration of the portrayal of Black Americans on prime-time television, featuring archival footage and critical commentary from actors, producers, and scholars. Part 1 covers the years 1948-68, beginning with "Amos 'n' Andy," and Part 2 encompasses the 1970s and '80s, culminating in the "The Crosby Show."

The videotape is available at no charge to University faculty and staff for classroom use. At University Park, call 865-0913 to make arrangements for a preview showing. At a Commonwealth Campus, contact the campus instructional services specialist for more information.

Focus on Diversity

WPSX looks at Black experience in rural America

The experience of being Black and living in rural America is the subject of a new, six-part series airing on WPSX-TV. The series, Americans, Too: Black Experiences in Rural America, premieres at 7 p.m. and continues into February.

The first program, "Introduction," presents an overview of some of the people and towns profiled in the series, including a retired couple living in Clearfield, Pa., an award-winning writer from Bedford, Pa., and a militant pastor from Mount Union, Pa.

Other programs in the series include "Do You Hear What I'm Saying!"; "Roots: A Pennsylvania Story"; "Outsiders Unwanted"; and "Achievers." Each program focuses on one topic or geographic area chosen to best illustrate the challenges and successes Blacks are experiencing in rural areas of the state.

P.J. O'Connell, producer of the series, developed the idea of documenting the experiences of rural Blacks since they are a population largely excluded from mainstream media coverage. "The experiences of urban Blacks is well-covered on television today," Mr. O'Connell said, "so we decided to take our cameras and crew into the small towns to see what life was like for these Blacks."

In approaching this sensitive and sometimes controversial subject matter, producer O'Connell and associate professor Kimberly Kranich employed the classic documentary technique of letting the subjects speak for themselves. "People tell their own story," he said. "We're reflecting what they're doing, and we don't pretend to have special insight."

Produced by WPSX-TV's Rural American Documentary Unit (RADOC), the series joins other Channel 3 programs committed to examining topics of culture and diversity in the Commonwealth as well as helping people gain a better understanding of each other as fellow citizens.

Penn State vs. Temple

Kick off of new blood drive

The Centre Communities Chapter of the American Red Cross has announced a new blood donor campaign which addresses a critical blood shortage which has prevailed throughout Pennsylvania during January.

Penn State and Temple, in cooperation with the Johnstown and Penn-Jersey regions of the American Red Cross, will host the Penn State-Temple Lifesaver Cup throughout late January and February. The opportunity for the two schools to contribute a combined 2,000 plus pints of blood to a depleted blood inventory is the driving force behind the new campaign.

Penn State drives at University Park within the Lifesaver Cup begin Jan. 21 and run through February. Commonwealth Campuses within the Philadelphia area may contact their local Red Cross for blood drive information. The school which achieves the highest percentage of its stated collection goal will receive a large trophy cup, which will travel each year to the "winning" school. Donations made at off-campus drives in the State College area will comprise a "community vote" towards this event.

Following is the schedule of campus drives included in the Lifesaver Cup. For more information, contact Connie Schroeder, campus coordinator for the American Red Cross, at 237-2713.

Date	Day	Location	Time
1/21	Tue	Robeson	12-5
1/23	Thu	101 Kern	10-4
1/29	Wed	HUB Ballroom	10-4
1/30	Thu	Hub Ballroom	10-4
2/5	Wed	Wesley Center	10-4
2/5	Wed	256 E. College	12-5
2/6	Thu	Findlay	1-7
2/10	Mon	White Lobby	12-5
2/14	Fri	Old Main*	10-4
2/21	Fri	Hammond*	10-4

Award nominations sought

Nominations of outstanding seniors are being sought for the President's Awards, made annually in the name of three former presidents of the University—the Eric A. Walker Award, the Ralph Dorn Hetzel Memorial Award and the John W. Oswald Awards.

Nominations of graduate students also are being sought for the Graduate Student Service Award.

All University seniors graduating Fall Semester 1991 and Spring Semester 1992 are eligible for the President's Award.

The Walker Award recognizes a senior who has enhanced the public esteem and renown of Penn State.

The Hetzel Award recognizes responsible leadership in the University and promise of public spirited achievement in the future.

The Oswald Award recognizes outstanding leadership in one of several areas of activity, including scholarship, athletics, social services, religious activities, student government, journalism, speech, mass media, and creative and performing arts.

The Graduate Student Award recognizes a graduate student who has best combined high academic achievement with leadership in the University or other public activities. Graduate students who have completed a minimum of one full year of graduate studies are eligible.

Selection of award recipients will be made by a committee, chaired by **J. Thomas Eakin**, assistant vice president for student programs, and comprised of representatives from Student Services, the University Faculty Senate and the student body.

Nomination forms are available at the HUB, Kern and Boucke information desks or the Division of Student Programs Office, 215 Eisenhower Chapel. **Completed applications are due in the Division of Student Programs Office by Feb. 14.**

Faculty/Staff Alerts

Health promotion programs

Spring health promotion programs for faculty and staff at the University Park Campus have been announced in "Healthy Happenings" flyers which were mailed in early January.

Programs listed include Weight Watchers AT WORK, My New Weigh of Life (open, women's and men's groups), Wellness Wake-Up, Fresh Start Smoking Cessation, and the Enlightening Lunches brown-bag wellness series. Costs, schedules and registration forms for the programs are contained in the flyers.

To obtain a copy of the flyer or additional information about the programs, call the Faculty/Staff Health Promotion Office at (814) 865-3085.

Social Security changes

Effective Jan. 1, the base salary on which the Social Security Tax is levied changed. The FICA tax of 7.65% is actually comprised of two parts — a Social Security tax of 6.2% and a Medicare tax of 1.45%. Currently, the base salary is $53,400 for Social Security and $125,000 for Medicare. The base will change to $55,500 for Social Security and to $130,200 for Medicare.

The maximum for Social Security tax will be $3,441.00 ($55,500 x 6.2%), up from $3,310.80; and the maximum for Medicare tax will be $1,887.90 ($130,200 x 1.45%), up from $1,812.50.

University Health Services

The primary mission of University Health Services (UHS) is to serve the student population. However, as a University-wide health service, there are situations when care is rendered to employees. Services to employees include: OPP back-to-work physicals; food handlers' examinations; prearranged physical examinations (e.g., annual Police Service physicals), and travel immunizations.

Emergency services provided are two fold. University Ambulance Service is available 24 hours a day to provide ambulance service. University Ambulance Service will respond to all serious injuries and illnesses on campus and will provide emergency care on the scene and transportation to the appropriate health care facility.

In addition, medical care for employees injured on the job is available at UHS (Ritenour Building). Employees ill at work and those who have non-work related injuries will not be treated at University Health Services.

Harvard chemistry professor to give Marker lectures

Richard H. Holm, Higgins professor of chemistry at Harvard University, will present the 1992 Russell Marker Lectures in Chemical Sciences Jan. 20-23 at University Park.

The four-lecture series, "Inorganic Reactions and Structures in Chemistry and Biology," is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Introduction to Metallobiomolecules," 8 p.m. Monday, Jan. 20, Keller Conference Center Auditorium; "Biologically Relevant Chemistry of Nickel," 8 p.m. Tuesday, Jan. 21, 110 Wartik Laboratory; "Subsite-Specific Structures and Reactions in Native and Synthetic Cubane-Type Clusters," 4 p.m. Wednesday, Jan. 22, S-5 Osmond Laboratory; and "Metal Chalcogenide Clusters: Challenges in Synthesis and Structural Interpretation," 12:15 p.m. Thursday, Jan. 23, S-5 Osmond Laboratory.

As a bioinorganic chemist, Dr. Holm is interested in establishing the role and function of trace metals such as iron, zinc, calcium, and copper–elements essential for all living systems, including humans. His approach is to synthesize small molecule analogues of the active metal centers that have been identified in various biomacromolecules. With these synthetic models in hand, their properties can be studied in detail, allowing an understanding of their structure and function that was not possible in studies on the larger systems.

Honored with this year's Alfred Bader American Chemical Society Award in Bioinorganic or Bioorganic Chemistry, Dr. Holm also has won the 1991 Polyhedron Prize for Creativity in Inorganic Chemistry, the 1990 American Chemical Society Award for Distinguished Service in the Advancement of Inorganic Chemistry, the 1987 Dwyer Medal of the Royal Australian Chemical Society, and the 1980 Centenary Medal of the Royal Society of Chemistry.

Prior to joining the Harvard faculty as a professor of chemistry in 1980, Dr. Holm was a professor at Stanford University for five years and at MIT for eight years. He was named Higgins professor of chemistry in 1983 and served as chair of Harvard's Chemistry Department from 1983 to 1986.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy, evolutionary biology, genetic engineering, the mathematical sciences, and the physical sciences.

Richard H. Holm

King
Continued from Page 1

essential service areas, such as security.

Another MLK related activity includes an exhibition titled, "Martin Luther King: The Civil Rights Movement," in the Pattee Library lobby and African American Studies Room through Jan. 31. The display includes excerpts from speeches and photographs of Dr. King, including his visit to Penn State, as well as other civil rights leaders.

Ground broken for Mont Alto Campus building

A long-time dream moved one step closer to reality on Wednesday, Jan. 15, when ground was broken for Penn State Mont Alto's $3.5 million multipurpose building.

When completed in spring 1993, the 40,000-square-foot, red-brick building will house a gymnasium, an auxiliary gymnasium, a weight room, two racquetball courts, locker rooms, classrooms and staff offices on the site of the current athletic field to the left of the campus entrance, according to Noelker and Hull Associates, Chambersburg, project architects.

Participants in the ceremony included **Corrinne Caldwell**, campus executive officer; **Robert Dunbam**, senior vice president and dean of the Commonwealth Educational System; State Rep. **Patrick Fleagle**; **Frank Forni**, retired special assistant to the president for governmental affairs; **Robert Rumler**, chair, campus advisory board, and **David R. Scbuckers**, special assistant to the president for governmental affairs.

Guests included members of the advisory board; State Rep. **Jeffrey Coy**; **Maurice K. Goddard**, professor emeritus of forestry and past secretary of the former state Department of Forest and Waters, now the Department of Environmental Resources; **Robert Finley**, assistant to the vice president for business and operations at Penn State, and **H.P. Anderson**, state deputy secretary for public works.

The firm of **Lambert** and Intreri Inc., Mechanicsburg, was awarded the general construction contract for the multipurpose building last month. Other contracts were granted to: **H&R** Mechanical Inc., Middletown; Chambersburg Mechanical Services Inc., Chambersburg; and G. Hull and Sons Inc., Troy, N.Y.

Changes made in University Park recycling program

Source separation has come to University Park and will change the way everyone on campus recycles.

"Because the Centre County Solid Waste Authority is no longer able to accept our commingled or mixed materials and will charge the University $45 a ton for recycling services, all offices soon will be asked to implement a source separation recycling program," says Phillip Melnick, manager of support operations and special programs for the Office of Physical Plant. "These changes will have a significant impact on the quantity and number of different materials we will be able to recycle."

Detailed information on source separation will be sent to all offices shortly. Meanwhile, recycling guidelines for the new program are:

– White ledger paper and computer printout paper can be mixed together in paper trays and blue barrels.

– Corrugated cardboard must be kept separate and can be left beside the blue barrels.

– Aluminum, bimetal and steel cans can be mixed and all placed in the white collection boxes.

"It will be very important for everyone to separate materials according to these new guidelines. In the past, we have had an unacceptable level of contaminants and non-recyclable materials in the recycling bins," Mr. Melnick said. As of March 1, the Centre County Solid Waste Authority will impose fines for removing unacceptable items.

"In addition to these changes, we hope to add other kinds of office paper to our recycling, if we can find an appropriate market," he added. "We would like to include color ledger paper, mixed paper, card stock, glossy brochures, soft-cover bound journals, stick on notes, file folders and envelopes."

Until now, the University did not have to pay direct charges for recycling and was permitted to commingle recyclable materials, such as collecting white ledger paper, computer printout, newspaper and corrugated cardboard in one container and glass, aluminum cans and plastics in another.

However, last summer, the Centre County Solid Waste Authority announced it would begin to charge for recycling services and that it would no longer accept the commingled materials. The Office of Physical Plant then conducted a comprehensive review of campus municipal solid waste, and requested recycling and refuse service proposals from approximately 20 companies and organizations. Two viable proposals were received.

After thorough evaluation, comparing costs and operational factors, the Office of Physical Plant determined that it is in the best interests of the University to continue to provide these services in house.

"In fact, we found that even with the new recycling fees being charged by the Solid Waste Authority, Physical Plant employees could provide both recycling and refuse services for several hundred thousand dollars less than either of the vendors," Mr. Melnick said.

To date, with about 83 percent participation, Penn State has recycled more than 1,800 tons of material that otherwise would have gone to the landfill.

"We have come a long way in a short amount of time. We are confident that the University community will support the new source separation program and that Penn State will continue to be one of the leading institutional recyclers in the area."

Vice provost's statement

To: The Penn State Community
From: James Stewart, Vice Provost

I am writing to ensure that all members of the University Community are informed that the Board of Trustees approved expansion of the University's nondiscrimination policy to include sexual orientation on May 17, 1991. The resolution establishing the policy reads as follows:

WHEREAS, The University is committed to creating a community in which a diverse student and employee population can study and work in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual, regardless of personal characteristics and beliefs;

RESOLVED, That the Board of Trustees approves revision of the University's nondiscrimination policy as follows:

RESOLVED, That the Board of Trustees hereby affirms the University's policy of nondiscrimination in all of its education programs or activities as required by law. The Board further affirms the University's policy of maintaining programs of affirmative action in recruitment, hiring and promotion as required by law. The officers of the University are directed to review periodically all programs of affirmative action to ensure compliance with this policy and applicable law; and

RESOLVED, That The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by state or federal authorities. The Pennsylvania State University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

Any violation of this policy should be reported immediately to the Affirmative Action Office (863- 0471 - 201 Willard). As President Thomas has consistently stated, this University will not tolerate discrimination. Should you have any questions, please do not hesitate to contact my office.

Hershey surgeons perform transplant

In a delicate nine-hour operation on New Year's Day, surgeons performed the first successful liver transplant at the Hershey Medical Center. They replaced the ailing liver of a 30-year-old York County man suffering from end stage liver disease.

"The organ is functioning satisfactorily," said **Robert R.M. Gifford**, professor of surgery and chief of transplantation, and one of three surgeons on the transplant team in the operating room.

Harold C. Yang, associate professor of surgery and head of the liver transplant program, and **Francisco S. Escobar III**, assistant professor of surgery, also participated in the surgery.

The patient suffered from intractable liver failure. Intractable liver diseases, which are fatal unless a transplant can be performed, can include chronic hepatitis and primary biliary sclerosis, which is a hardened narrowing of the bile ducts of the liver.

The medical center's University Hospital is one of only four Pennsylvania institutions approved to perform liver transplants.

University Hospital's transplant program also includes heart, cornea, kidney and pancreas-kidney. The one-year success rate at the University Hospital for kidney is 91 percent; for heart, 80 percent, and pancreas-kidney, 92 percent.

Carpoolers

Doug would like a ride from the Kylertown/Morrisdale area to University Park. Work hours are 8 a.m. to 4:30 p.m. Call 345-4165.

Two riders needed to carpool from Philipsburg to University Park. Work hours are 8 a.m. to 4:30 p.m. Call Joe at 865-6713 or 342-2745.

Pat is looking for a ride from Bellefonte to the Hetzel Union Building. Her work hours are 7 a.m. to 4 p.m. Call 865-7623 or 353-8028.

Virginia would like a ride from Lemont to the University. She works from 7 a.m. to 4 p.m. Call 865-7623 or 237-6182 (after 5 p.m.).

Sharon is looking for a ride from Millheim to University Park. Work hours are 7:30 a.m. to 4 p.m. Call 865-4983 or 349-8843.

News in Brief

University Park classrooms
University Park faculty are reminded that several general purpose classrooms are now equipped to support the use of personal computers for instruction. Both IBM and Macintosh computers are available. Projection capability includes monochrome or color LCD dataplates or high-resolution color graphics projection. A data connection to the Center for Academic Computing is available in some classrooms; other classrooms are now linked to the high-speed data backbone.

New facilities this semester include Walker 12 and Chambers 232. Both rooms have color projection, a backbone connection, and Macintosh computers.

Faculty who would like to use such classrooms should contact the scheduling officer in their department. For further information about technology classrooms, contact Judith V. Boettcher, Center for Academic Computing (865-0814), or Richard T. Sodergren (863-1024), Registrar's Office.

EMS Museum hours
The Earth and Mineral Sciences Museum and Art Gallery will be open Monday through Friday from 9 a.m. through 4:30 p.m. It will be closed Saturday and Sunday until further notice. Group tours and special programs are not currently available. Further announcements will be made at a future date.

Phi Beta Kappa
Pennsylvania Lambda Chapter of Phi Beta Kappa is interested in hearing from University faculty or staff members who were initiated into the society when they were students and who would like to become active in the Penn State chapter.

For further information, contact Arthur Goldschmidt (president), 863-0086, Marilyn Keat (secretary), 863-2635, Gabriele Michels (treasurer), 863-0405, or Catherine Carter (historian), 865- 1755.

Child care pamphlet
The spring 1992 edition of *State College Area Child Care Facilities* is now available. Updated each semester, this publication includes information on about 30 different facilities which provide childcare in the immediate vicinity of the University Park Campus.

Information includes hours of service, ages served, cost, enrollment size, and services provided. Also included are a check list to help parents evaluate potential child care facilities and a map to show the relative location of the facilities for new members of the community.

The pamphlet, produced by the Graduate Student Association (GSA), is available free of charge. GSA, located in 111B Kern Building at University Park, is open Monday through Friday from 9 a.m. to 5 p.m. (including noon to 1 p.m.), 865-4211.

Research volunteers sought
The Center for Locomotion Studies (CELOS) needs volunteers for a research project that involves measuring the effects on walking, posture, and vision after drinking alcohol. Twenty males and females between the ages of 65 and 75 are needed.

Subjects must be non- smokers, in excellent health, who are not taking any medications (exceptions include ASA, hormone replacements) and have no history of alcohol/drug dependence. Yet, we need people who drink occasionally and do not abstain from alcohol. All subjects must have a normal gait, i.e. no difficulty walking.

If you are interested in participating and would like to know more about this project, please call Mary Becker at 885-1972.

Japanese tour

The management techniques and cultural values that have helped to make Japan a world economic leader are the focus of a new educational program under development by Penn State Continuing Education.

The Japanese Business and Cultural Tour is planned for late May and early June 1992, according to Marilyn Mitinger, area representative for the State College Area Continuing Education Office and tour coordinator.

The 13-day guided tour is targeted to middle- and upper-level managers in Pennsylvania. The program will enable 25 participants to gain valuable insights into Japanese business policies, practices and culture.

For more information, contact Ms. Mitinger at 865-3443.

Focus on the arts

Photo exhibit

An exhibition of photography by Tim Kiusalaas is on display in Pattee Library's Lending Services Gallery through Jan. 15.

The photographs, a display of young pool players, illustrate the artist's interest in capturing different social situations and life styles.

Mr. Kiusalaas received a bachelor of fine arts degree from Penn State in 1991 and has been involved with photography since high school.

Bartok Quartet

The Bartok Quartet, the "crown jewel" of chamber ensembles, will perform Bela Bartok's complete quartet cycle during two evenings, Friday, Jan. 17, and Saturday, Jan. 18, at 8 p.m. in Schwab Auditorium at University Park.

Renowned for its total beauty, clarity and exceptional playing, the quartet will play Bartok's Quartets 1, 2 and 5 on Friday evening and Quartets 3, 6 and 4 on Saturday evening. The players — Peter Komlos, first violin; Geza Hargitai, second violin; Geza Nemeth, viola, and Laszlo Mezo, cello — came together in 1957 while studying at the Franz Liszt Academy of Music in Budapest.

One of the most distinguished chamber ensembles of the world, the quartet rose to fame after winning the 1959 International Haydn Competition and the 1960 International Schumann Competition. The group took first prize at the prestigious International String Quartet Competition in 1963 and was awarded the Kossuth Prize, Hungary's highest honor, in 1970.

To further enhance this performance, patrons are invited to the following free educational and entertainment events: Jim Lyon and Kim Cook, School of Music faculty members, will preview the program and demonstrate the composer's experimental technique on violin and cello at 2:30 p.m. Friday, Jan. 17 in the Music Building Recital Hall.

The Bartok Quartet will hold an open rehearsal Saturday, Jan. 18, from noon to 1 p.m. in Schwab Auditorium. Refreshments will be served. Following the rehearsal at 1:30 p.m., Scott Burnham, composer and musicologist at Princeton University, will give an overview of Bartok's music and answer questions.

Quartet members will discuss their performance and answer questions as part of Artistic Viewpoints at 7 p.m. Friday and Saturday evenings in Schwab Auditorium. There will be a reception for the players at the Nittany Lion Inn following the Saturday evening concert.

Cello recital

Kim Cook, School of Music faculty member, will perform a solo cello recital at 8 p.m. Saturday, Jan. 25, in the School of Music Recital Hall at University Park. She will be accompanied by Lois Rova Ozarich, piano.

The program will include works by Barber, Boccherini, and Spanish composers Nin, Falla and Cassado.

Ms. Cook has performed as a soloist in Germany, Italy, Russia, Finland, Brazil, Mexico and the United States. She received her master of music degree from Yale University.

Ms. Ozarich is a professor of piano at Kent State University. She has performed solo and chamber recitals at Thessaloniki, Greece, Carnegie Recital hall and Symphony Space, New York City; and the Cleveland Museum of Art.

Kim Cook

Pattee exhibit

"Still Jazzin," a photography exhibition by Cliff Jernigan, is being held in Pattee Library's East Corridor Gallery until Jan. 31.

"Still Jazzin" is a segment of a documentary of today's legendary and contemporary jazz artists that is still in progress.

Mr. Jernigan is associate professor of communications. His other exhibits include "My Harlem" held in 1987 and "Higher Needs" held in 1988.

"Still Jazzin" is on exhibit in Pattee Library's East Corridor Gallery until Jan. 31.

Faculty recital

Faculty members Carl Blake, piano; Suzanne Roy, soprano, and guest artist Evelynn Ellis, clarinet, will perform in concert at 4 p.m. Sunday, Jan. 19, in the School of Music Recital Hall at University Park.

The program will include works by Claude Debussy, Olivier Messiaen, Arnold Cooke and Louis Spohr for solo piano, voice and piano, clarinet and piano and voice, clarinet and piano.

Chambers Gallery

"Undergraduate Paintings and Sculpture," an exhibition of works by undergraduate painting and sculpture majors in the School of Visual Arts, will be on view Jan. 20 through Feb. 28, in Chambers Gallery at University Park.

Works by the painting students include both realistic and abstract styles in acrylics, oils and mixed media. Works by the sculpture students include projects in plaster and clay completed during the fall semester.

Chambers Gallery is on the second floor of Chambers Building. Gallery hours are 8 a.m. to 5 p.m. Monday through Saturday.

Zoller Exhibit

"The Tactile Vessel—New Basket Forms," an exhibition of contemporary American baskets on loan from the Erie Art Museum, is on view through Sunday, Feb. 23, in Zoller Gallery at University Park.

Jack Lenor Larson, president of the American Crafts Council, is curator of the exhibition. The show contains 32 works created in a variety of techniques, including-braiding, twining, plaiting and laminating materials such as leather, ribbon, waxed linen and hog gut.

The exhibition contains works by various American artists, including Ed Rossbach, Feme Jacobs and Jane Sauer.

Zoller Gallery is in the Visual Arts Building across from the Palmer Museum of Art. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

The arts on Channel 3

The Penn State International Dancers present a lively and colorful performance at 10 p.m. Wednesday, Jan. 22, on WPSX, featuring dances from India, China, Poland, Bulgaria, Greece and the Slavic countries.

George Gershwin left an indelible imprint on the world of music. Steve Lawrence and Eydie Gorme pay tribute to his musical genius in an Emmy Award-winning special, "Our Love Is Here to Stay," airing at 10 p.m. Sunday, Jan. 19.

Steve and Eydie sing a medley of 24 Gershwin tunes including "Fascinating Rhythm," "A Foggy Day," "Love Walked Right In," "Let's Call The Whole Thing Off," "Embraceable You" and "Of Thee I Sing." Pianist Gerald Robbins and The New World Philharmonic Orchestra perform Gershwin's classic "Rhapsody in Blue."

'Tosca' to be performed

The New York City Opera National Company will perform Giacomo Puccini's "Tosca" at 8 p.m. Friday, Jan. 31, in Eisenhower Auditorium at University Park. The opera is sung in Italian with English subtitles.

Set against Napoleon's conquest of Italy, it tells the tragic story of Tosca, a beautiful singer, and her lover Cavaradossi. Their misfortunes begin when Cavaradossi aids an escaped political prisoner, which lands him in jail at the mercy of a corrupt police chief, Scarpia. Scarpia, who is infatuated with Tosca, offers her an ultimatum: he will spare Cavaradossi's life if she will run away with him.

One of the great operas of the 20th century, "Tosca" weaves love, jealousy, intrigue and corruption with unforgettable music and a stunning climax.

Bruce Trinkley, associate professor of music, will discuss the opera and Puccini's music at the free lecture series, Artistic Viewpoints, before the performance at 7 p.m. in Eisenhower Auditorium's Green Room.

Organ recital

David A. Billings, a Penn State alumnus, will perform an organ recital at 8 p.m. Wednesday, Jan. 22, in the School of Music Recital Hall at University Park.

The program will include J.S. Bach's Toccata, Adagio and Fugue in C and Franck's Chorale III in A Minor. Mr. Billings also will perform works by Bruhns, Guilain, Mendelssohn and Vierne.

Mr. Billings is director of music at Parkwood United Presbyterian Church in Allison Park and adjunct professor of organ and sacred music at Duquesne University. He also is current dean of the Pittsburgh Chapter of the American Guild of Organists.

David A. Billings

University Park Calendar

January 16 - January 26

Special Events

Friday, January 17
Board of Trustees meets at University Park.
Center for the Performing Arts, 8 p.m., Schwab Aud. Bartok. Also Jan. 18.

Sunday, January 19
School of Music faculty recital, 4 p.m., Recital Hall. Carl Blake, piano; Suzanne Roy, soprano; Evelynn Ellis, clarinet.

Monday, January 20
Martin Luther King Day, Chuck Stone, speaker, 4 p.m., Eisenhower Aud.
Talk, 1:30-3 p.m., Assembly Room, Nittany Lion Inn. Ann Dkerson, dir. of the Office of Scientific and Academic Publishing of the Association of Research Libraries, will speak to interested Penn State faculty, staff and students on "The Prospects for Electronic Journals."

Wednesday, January 22
Spring Student Involvement Fair, 10 a.m.-4 p.m., HUB Ballroom.
School of Music, 8 p.m., Recital Hall. David Billings, organ.

Thursday, January 23
■ Fulbright Informal Lecture Series, 3:30-4 30 p.m., International Lounge, 222 Boucke. Harold Cheatham, professor of education and 1990 Fulbright scholar to India, on "Affirmative Action in India and the U.S."

Saturday, January 25
Faculty Development Workshop, 9 a.m.-noon, 114 Kern. Harold Cheatham, on "Promotion and Tenure". Call Leah Witzig, 863-1663.
School of Music, 8 p.m., Recital Hall. Kim Cook, cello.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
Jan. 21 & 23. Pa. Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Jan. 25. Greek Leadership Conference. Pamela Selfe, chair; Bill Sterner.

Seminars

Thursday, January 23
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Neil D. Jones, Univ. of Copenhagen, on "A Self-Applicable Partial Evaluator for the Lambda Calculus."

Exhibits

Chambers Gallery
"Undergraduate Paintings and Sculpture," Jan. 20-Feb. 28.

Pattee Library

Main Lobby:
"Penn State's Presidential Families," through Feb. 29.

Main Lobby and African American Studies Room:
"Martin Luther King: The Civil Rights Movement," through Jan. 31.

East Corridor Gallery:
"Still Jazzin," Cliff Jernigan photography exhibition, through Jan. 31.

Zoller Gallery
"The Tactile Vessel—New Basket Forms," an exhibition of contemporary American baskets on loan from the Erie Art Museum, through Feb. 23.

An exhibition of contemporary American baskets on loan from the Erie Art Museum can be seen at the Zoller Gallery until Feb. 23.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear.

Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ **Reflects an international perspective**

Appointments

Robert J. Booz, project director with the Ben Franklin Technology Center of Central and Northern Pennsylvania Inc. since January, 1990, has been promoted to director for research and development.

Prior to joining BFTC/CNP, Mr. Booz worked for 11 years at HRB-Systems Inc. in State College. He started with HRB-Systems (then HRB-Singer) in 1979 as a senior project business manager, responsible for large, electronic engineering projects. He became a project director in 1982, managing technology projects in communication and flight simulator development.

Previously, he was a senior management consultant with Peat Marwick Main & Co., a "Big Eight" accounting firm. He was responsible for government naval technology contracts in Newport, R.I.

Mr. Booz graduated from Penn State with a B.S. in accounting in 1968 and entered the U.S. Air Force as a commissioned officer. While in the Air Force he earned his MBA, which he received in 1976 from Sul Ross State University in Texas.

Barbara J. Vitzthum has been named associate director of the Office of Planned Giving.

Most recently, she was director of planned giving for the United Way of the Midlands in Omaha, Neb. Prior to that she was associate director of planned giving at Creighton University in Omaha.

Ms. Vitzthum holds a law degree from the University of Kansas. She will primarily be responsible for the marketing of planned gifts, and for individual consultations with benefactors and their professional advisors.

The Office of Planned Giving offers personalized charitable estate planning opportunities that benefit both the benefactor and the University.

A member of the American Bar Association, Ms. Vitzthum has been admitted to practice law in the states of Illinois and Nebraska and the District of Columbia.

John Steven Backels, has been appointed coordinator of personal counseling programs at Penn State Harrisburg.

Working with college staff members, Dr. Backels will be involved in developing student and personal counseling programs and advising those counseled of additional local counseling and psychological resources.

Dr. Backels holds a bachelor of psychology degree from the University of Virginia, a master of education in counseling education from James Madison University, and a doctor of philosophy from Ball State University.

He had served as director of counseling at Averett College, Danville, Va., and as a licensed professional counselor in private practice, Danville. He is a counselor member of the National Board of Certified Counselors and has been active in the Association for Counseling and Development, the American College Personnel Association and in the licensure committee, Virginia Counselors Association.

Kristine Larson Clark, has been named director of sports nutrition for the University's Center for Sports Medicine. She will provide nutrition education for athletes, coaches, and trainers in all 28 varsity sports, as well as individual nutritional counseling for athletes.

Dr. Clark, a registered dietitian with a Ph.D. in nutrition from Penn State, is chair of the Sports and Cardiovascular Nutritionists, or SCAN, a national specialty group affiliated with the American Dietetic Association.

At Penn State, she will educate student athletes about the principles of good nutrition, the special nutritional needs inherent to their sport, and techniques and strategies to use during training, before and after competition and during the off-season. She will provide individual guidance and counseling to athletes with special challenges, problems or eating disorders.

Before coming to Penn State in 1987 to pursue her doctorate, Dr. Clark, who will hold an appointment as instructor in nutrition in the College of Health and Human Development, was director of nutrition services for the LaCrosse Exercise and Health Program at the University of Wisconsin.

A nutritional consultant to the U.S. Olympic Committee, she is a member of the American College of Sports Medicine and Sigma Xi scientific honorary society, and in 1990 received a Young Investigator Award from the Society for Nutrition Education.

The Center for Sports Medicine, established in 1989, coordinates medical services for the University's varsity student athletes and is responsible for research on human performance and conditioning for competition. It represents a collaboration among the Department of Intercollegiate Athletics, the College of Health and Human Development, and the College of Medicine.

Partings

Workers retire after many years of service

Anthony J. Ficarra, assistant to the bursar, has retired after 32 years of service.

Mr. Ficarra first worked with returning adult students when he came to Penn State in 1958. He moved into the Office of Undergraduate Admissions where he served as financial officer and has spent the last 10 years at the Bursar's Office handling residency appeals.

In retirement, he and his wife, Patricia, plans to travel and enjoy their family. Six members of the Ficarra family are graduates or employees of Penn State. The Ficarras also have six grandchildren.

Joann Treese, faculty secretary at the Penn State Altoona Campus, has retired after 24 years service.

"I have enjoyed working with the great variety of people at the Campus – from the students and staff to the wonderful faculty members – I will miss the camaraderie among the secretaries," she said.

Joann and her husband, James, who is retired from Best Foods Corporation, live in Altoona. They have three children and four grandchildren who live in this area. Joann is looking forward to having more time to spend with her family and to work on her favorite crafts. She said she also will enjoy the lack of a daily routine.

Terry L. Coble, general repair and maintenance, Housing and Food Services, from March 24, 1969, until March 16, 1991.

Harold C. Clark has retired after 23 years of service with the Office of the Physical Plant.

Mr. Clark, a janitorial group leader, feels that his fellow workers are what made Penn State a great place to work.

He and his wife, Dolores, are the parents of Lois, Virginia, Christine, Dawn and Mark.

Mr. Clark plans to do some hunting and fishing in his retirement.

Barnard H. Vogt has retired from the Office of the Physical Plant, where he worked as a shop carpenter, after 22 years service.

Mr. Vogt enjoyed his work as a carpenter and plans to continue his work at home.

He and his wife, Nancy, are the parents of Scott, Tammy and Sue, a Penn State graduate.

Longstanding teaching careers of three faculty members come to an end

Henry Hermanowicz, professor of education and former dean of the College of Education, has retired with emeritus rank.

Dr. Hermanowicz was named dean in 1974, a position in which he served for 14 1/2 years. During his tenure, student enrollment increased 44 percent. Additionally, he maintained and strengthened the college's national reputation for excellence in teaching, research, and service. Since resigning from the deanship in 1989, he has served in a faculty position in the Department of Curriculum and Instruction.

Prior to coming to Penn State, Dr. Hermanowicz served as dean of the College of Education and as a faculty member at Illinois State University. He also was assistant director of research at Field Enterprises Educational Corporation in Chicago, Ill.

Henry Hermanowicz

His activities and accomplishments include serving as president and board member of the American Association of Colleges of Teacher Education, member of the policy council for the National Teacher Examination's Program of Educational Testing Service and chair of the Committee on Teacher Education for the Joint Council of Economic Education. His principal areas of professional interest include teacher education and curriculum theory. In 1988, he completed a six-month study of changes in teacher education at six universities nationwide.

Dr. Hermanowicz, who taught elementary, junior high, and senior high school, holds both B.S. and M.S. degrees from Northern Illinois University and an Ed.D. in curriculum and instruction from Columbia University, where he also was honored as a World Book Encyclopedia Fellow while a doctoral student. He did postdoctoral study at the University of Illinois.

Victor Dupuis

Victor Dupuis, professor of education and professor-in-charge, Curriculum and Supervision, in the College of Education, has retired after 25 years service.

Dr. Dupuis began his career at Penn State in 1967 as an assistant professor in the College's Division of Curriculum and Instruction, progressing to professor in 1975. In addition to service as a member of the University Faculty Senate and chair of several Senate committees, he has served on many University committees, including the Racial and Ethnic Diversity Committee, the Equal Opportunity Program Committee, the McKay Duncan Award Committee, the Barash Committee, the Economic Initiation Program Committee, and the Faculty Rights and Responsibilities Committee.

Within the College, he served on Faculty Council, the Native American Leadership Program, and the Promotion and Tenure Committee, among others. In 1986, he received the Barash Award for service to the University committee.

In 1990, Dr. Dupuis was named the Kenneth B. Waterbury professor of secondary education. This interim 20-month faculty position was awarded in response to a proposal outlining a project which allowed the College of Education to develop a unique partnership with an American Indian junior college for the purpose of improving the preparation of American Indian teachers in secondary education. The outcome of this project is a prototype program, now in place, that can be emulated by other institutions.

Dr. Dupuis holds a Ph.D. in curriculum and supervision from Purdue University, an M.A. in educational administration from The American University, and a B.S. in American history from Northwestern University.

William E. Crocken

William E. Crocken, associate professor of Integrative arts in the College of Arts and Architecture, retired Jan. 1, after 20 years service.

Mr. Crocken joined the Department of Theatre and Film faculty in 1971. He also served as general manager of the Pennsylvania Theatre and University Theatre Productions from 1971 to 1976, when he was named director of university auditoriums.

In 1985, when the Artist Series and auditorium management were merged to form the Center for Performing Arts, Mr. Crocken was named its first director. In 1987, he became director of general education in the arts for the College of Arts and Architecture, a post he held until he was named to head the Department of Integrative Arts in 1990.

Before coming to the University, Mr. Crocken was technical and musical director in the Department of Theatre Arts at UCLA and a lighting designer for numerous West Coast opera and theater productions. In State College, he served on the board for the Central Pennsylvania Festival of the Arts from 1973 to 1978, serving as president from 1977-78.

He and his wife, Barbara, live in State College.

Partings

Director leaves after 29 years

Chester C. Gnatt

Chester C. Gnatt, director of the Continuing Education Department of Marketing Communications, has retired after more than 29 years service.

He joined the University staff Nov. 2, 1962, as a news assistant in the Department of Public Information, following four years as a newspaper reporter. In 1965, he was named Commonwealth Campus information officer to handle media attention for the University's growing Commonwealth Campus system.

From 1968 to 1970, he served as a speech writer and special assistant to University President Eric A. Walker. From 1971 to 1982, he was assistant to the provost, serving with four different provosts. He was the liaison with several colleges and served as executive secretary of the Council of Academic Deans and the University Council.

As director of Continuing Education's Marketing Communications, Mr. Gnatt oversaw the offices at University Park and Hershey. Under his leadership, the department has won many awards for marketing from the National University Continuing Education Association (NUCEA).

Mr. Gnatt earned his bachelor of arts degree in journalism from Penn State in 1960. He is a member of the Council for the Advancement and Support of Education, the College and University Public Relations Association of Pennsylvania and the National University Continuing Education Association.

Prior to joining Penn State, he worked as a general assignment reporter and education writer for the Lancaster New Era and as a general assignment reporter for the Philadelphia Bulletin. He is a three-year veteran of the U.S. Marine Corps.

He and his late wife, Patricia, are the parents of two sons: Greg, a Penn State graduate who works for IBM in Binghamton, N.Y., and Scott, who works for Gold Gym in Honolulu, Hawaii. Mr. Gnatt will continue to reside in State College.

Department of Publications editor/designer brings 33-year career to a close

Marilyn E. Shobaken, art editor and graphic designer in the Department of Publications, has retired after more than 33 years service.

Ms. Shobaken has won numerous awards for University publication and book design, the most recent of which was a Gold Medal in July from the Council for Advancement and Support of Education for her design of the Philadelphia area campuses brochure.

She is a member of the American Institute of Graphic Art and the University and College Designer's Association.

She joined the University in September 1958 and became art editor in charge of graphic design in the Department of Publications and University Press. When publications and the press became separate units in the early 1970s, she attained her current position with Publications, which is in the Division of University Relations.

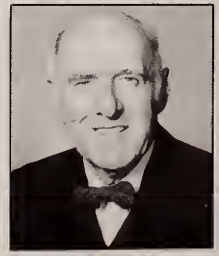
A native of Minneapolis, Minn., Ms. Shobaken earned both bachelor's and master's degrees from the University of Minnesota and studied printmaking in Paris, France, at Atelier 17. Before coming to Penn State, she taught art at the Walker Art Center in Minneapolis, the Minneapolis Public Schools and the Champaign, Ill., School System, and was a graphic designer for the University of Illinois Press and Publications Department.

For 20 years, Ms. Shobaken has been active in community service for the State College Borough and in 1989 received the Borough's "XYZ" award in recognition of her service. An avid tennis player, she has been a member of the Penn State Tennis Club for 20 years and was president from 1979 to 1981.

She and her husband, Bruce, who is a retired professor of art, will continue to live in State College. Their son, Ben, and his wife, Amy, are both Penn State graduates who live in the Philadelphia area.

Marilyn E. Shobaken

Founding director of Noll Laboratory retires


Elsworth R. Buskirk

Elsworth R. Buskirk, Marie Underhill Noll professor of human performance, has retired with emeritus status after 28 years service.

Dr. Buskirk, founding director of Noll Laboratory in the College of Health and Human Development, is an internationally known scholar in human physiology.

A former trustee and president of the American College of Sports Medicine, he is president of the environment and exercise section of the American Physiological Society. He earned three awards from the ACSM: the Citation Award in 1973, the Honor Award in 1984, and a special recognition award for serving as editor of Medicine and Science in Sports and Exercise in 1989. He continues to be a consulting editor for that journal as well as the Journal of Experimental Gerontology.

He is the author or co-author of more than 225 publications in the scientific literature and has been a guest reviewer for a number of professional publications. He has made numerous research contributions in the physiology of exercise and aging; calonmetry, metabolism and nutrition; environmental physiology; heat and cold stress; and the epidemiology of coronary heart disease, hypertension and diabetes.

He received the Distinguished Alumni Award from St. Olaf College in 1969 and the Distinguished Research Career Award from the College of Health and Human Development in 1988. He is a member of 20 professional organizations and holds fellow status in many of them.

Dr. Buskirk came to Penn State in 1963 from the National Institute of Arthritis and Metabolic Diseases, where he was a physiologist in charge of the Metabolic Chamber Facility and Program.

He holds a bachelor's degree in biology and physical education from St. Olaf College, and a master's and doctorate in physiological hygiene from the University of Minnesota. His 1953 doctoral dissertation on maximal oxygen intake is on the "Rare Books List" of national bestsellers.

Partings

Thirty-eight University employees retire from posts

John M. Baloga, director of business services at Wilkes-Barre Campus, from July 1, 1981, until Jan. 1.
Susan M. Bauer, janitorial worker at Altoona Campus, from Sept. 4, 1978 to Jan 2, 1980, and from Jan. 14, 1980, until Jan. 1.
Ruth E. Bonzo, food production worker B at Beaver Campus, from Sept. 16, 1981, until Jan. 1.
Guy N. Bowman, supervisor of maintenance and operations at Ogontz Campus, from March 16, 1977, until Jan. 1.
Charles W. Brookhouser, janitor; foreman at McKeesport Campus, from Jan. 2, 1979, until Jan. 1.
Delores E. Burns, senior clerk at Ogontz Campus, from Oct. 4, 1966, until Jan. 1.
Bruce E. Butler, public information representative at Worthington Scranton Campus, from Sept. 23, 1968, until Jan. 1.
Delores M. Clark, environmental health worker at Hershey Medical Center, from July 7, 1976, until Jan. 1.
Mary S. Davis, secretary C at Delaware County Campus, from Sept. 2, 1980, until Jan. 1.
William N. Ernest Jr., maintenance mechanic A at the Delaware County Campus, from Sept. 8, 1981, until Jan. 1.
Barbara Faunce, accounting clerk at Ogontz Campus, from April 11, 1974, until Jan. 1.
Sara J. Garver, secretary C at Penn State Harrisburg, from Sept. 1, 1972, until Sept. 1.
Geraldine M. Gentile, advising/counseling assistant at McKeesport Campus, from June 1, 1987, until Jan. 1.
Basil Karp, associate professor of political science at Worthington-Scranton Campus, from Sept. 1, 1973, until Jan. 1.
James C. Lombardo, maintenance worker, engineering systems, Office of Physical Plant, from May 28, 1974, until Jan. 1.
Katherine A. Lichtenwalner, associate extension agent, Agriculture, from June 1, 1981, until Nov. 26.
Charles W. Mason Jr., staff physician, Student Services, from Oct. 2, 1978, until Jan. 1.
James R. McAdams, assistant professor of English, Liberal Arts, from Sept. 16, 1967, until Jan. 1.
Delores M. McGee, secretary B at Beaver Campus, from Feb. 23, 1976, until Jan. 1.
John V. McGuire, utility maintenance worker at Schuylkill Campus, from March 20, 1972, until Jan. 1.
James J. McMenamin, maintenance worker utility at Great Valley, from Oct. 2, 1978, until Jan. 1.
Patricia M. Miller, assistant to the Dean, Liberal Arts, from Jan. 1. 1964, until Jan. 1.
Gary P. Osborne, maintenance worker, utilities and piping, Office of the Physical Plant.
Patty Lou Peters, membership recorder, Development and University Relations, from April 16, 1973, until Jan. 1.
Frances Porter, janitorial worker at Penn State Harrisburg, from April 25, 1977, until Jan. 1.
Paul G. Rodland, residence hall project worker, Housing and Food Services, from Sept. 16, 1973, until Jan. 1.
Patricia H. Simmet, secretary C in Education, from Sept. 4, 1979, until Jan. 1.
Clarence H. Snyder, HVAC mechanic at Hershey Medical Center, from Aug. 4, 1980, until Dec. 28.
Phyllis J. Spicer, clerk typist A, Earth and Mineral Sciences, from Oct. 14, 1974, until Jan. 1.
Donald W. Strickler, research associate, Research and Graduate School, from Aug. 5, 1974, until Jan. 1.
Beverly J. Swartz, accounting clerk at Penn State Harrisburg, from May 8, 1972, until Jan. 1.
Wendy Jo Swarthout, secretary C at Hershey, from July 16, 1981, until Sept. 20.
Dorothy C. Thompson, secretary B at Delaware County Campus, from May 3, 1973, until Jan. 1.
Rose Mary Torok, janitorial worker at McKeesport Campus, from June 5, 1978, until Jan. 1.
Janet M. True, secretary B at Hershey, from March 23, 1970, until June 9, 1972; and from Aug. 12, 1974, until Jan. 1.
Ardell W. Tyson, coordinator of AIS Operations, Academic Services, Office of the Registrar, from Nov. 1, 1964, until Jan. 1.
Audrey M. Weaver, residence hall worker, Housing and Food Services, from Sept. 27, 1977, until Nov. 14.
Joanna E. Zana, secretary B at New Kensington Campus, from March 28, 1977, until Jan. 1.

IRP director and associate dean bows out after 34-years of service

Richard L. McCarl, director of Intercollege Research Programs, associate dean for fellowships and awards in the Graduate School, and professor of biochemistry, has retired after 34 years service.

As IRP director, he has been involved in management and budgetary oversight for the University's intercollege research units. The Intercollege Research Programs have been a very successful part of the University's research efforts. For example, IRP research expenditures increased from $34 million in 1984-85 to $86.8 million in 1989-90, an increase of 168 percent.

Named professor of biochemistry in 1974, Dr. McCarl became associate dean of the Graduate School in 1982 and became director of the Intercollege Research Programs in 1985.

His research interests include lipid and carbohydrate metabolism in cell and tissue cultures. His research efforts involve the use of cultured rat heart cells as a model system to study heart metabolism and the effects of drugs, hormones and anesthetics on cardiac functions.

Dr. McCarl has been active in University, scientific and professional committees and associations.

He has served on the University Faculty Senate, the University Faculty Senate Council, the Senate Undergraduate Instruction Committee, the Senate Committee on Faculty Rights and Responsibilities, the Senate Committee on Research and the Faculty Advisory Committee to the president.

A graduate of Grove City College in 1950, he taught science at two Pennsylvania high schools from 1950 to 1955. He received a master's degree and doctorate in agricultural and biological chemistry from Penn State in 1958 and 1961, respectively, and was a Senior Postdoctoral Fellow in the Nuclear Medicine and Radiation Biology Laboratory at the University of California at Los Angeles in 1963.

Richard L. McCarl

Hershey manager ends 25-year career

Harvey E. Werner, accounting operations manager at the Hershey Medical Center, has retired after 25 years service.

"I knew the Medical Center was going to grow rapidly," Mr. Werner said. " That first budget doubled in two years, and doubled again in two more years. But I didn't think it would grow to the extent that it has."

Mr. Werner, a Penn State graduate with a B.S. degree in accounting, spent his first year as a University employee in a management training program.

While a student, he minored in anthropology. And that early interest in anthropology could give him some options for retirement. "I don't have any special plans after I take care of a lot of projects that I've been putting off around the house. But I've thought about going on a dig. It's something I've always wanted to do."

Whether or not he gets to a dig, he and his wife, Linda, definitely plan to travel. And then there's music, sports, and reading. "I'm a partaker of everything—I enjoy life."

Focus on Research

Image processing for checks increases efficiency, but no guarantee of savings for banks

New technology that allows banks to replace canceled checks with their electronic images cannot guarantee savings of time or money, University researchers say.

"Many bankers are hoping image processing will cut labor and postage costs involved in handling checks and returning them to customers," notes Samuel G. Davis, associate professor of management science in The Smeal College of Business Administration. "However, the technology's popularity should not blind bankers to its inherent risks."

With image processing, bank personnel will no longer need to physically handle many checks and enter their amounts into computers by keyboard. The checks will be electronically read and their images stored for reproduction on computer screens, for bank use, and on paper, for inclusion with customer account statements.

To help bankers gauge the usefulness of the technology to their institutions, Dr. Davis and Edward T. Reutzel, associate professor of management science, developed a computer model that simulates check processing activity. The model can determine the optimum staffing and equipment configuration for any technological approach to check processing.

Edward Reutzel (left) and Samuel Davis discuss the computer model they developed to help determine optimum staffing and equipment configuration for technological approaches to check processing. (Photo by Greg Grieco).

By applying the model, bankers can compare the time and costs to process checks by standard methods to those by image processing. The results vary from bank to bank given unique check volumes and arrival patterns, check clearing processing cutoffs, wage structures and personnel policies.

"The model allows bankers to compare how work flows through the processing pipeline under current practices and the image approach," Dr. Reutzel said. "This gives a clearer view of the relationship between the costs and benefits of the new approach."

Check processing has evolved to the point where every step is automated except for the computer capture of a check's dollar amount. Currently, the capture step must be preceded by manual keyboard entry which allows a magnetic ink character representation of the total to be affixed to the check.

"At a minimum, image processing is expected to significantly improve the speed and efficiency of this process by eliminating the need for key-entry operators to physically handle documents," Dr. Davis said. "Equipment under development also may eliminate the need to manually enter amounts from many checks. This will be possible because the equipment can recognize and capture handwritten and typewritten numerals placed in the 'courtesy amount' boxes."

In addition to postage savings, image processing offers banks marketing advantages and labor savings through rapid access to check information. However, Dr. Davis cautions, none of these benefits are realizable without the initial capture of a check's image during check processing operations.

So far, image technology correctly reads only about half of the checks it has been tested on, and does better with handwritten than computer-generated checks, he noted.

"Preliminary indications are that image processing is worthy of consideration. But so far, we cannot make any global statements that fiscal savings to banks will necessarily follow introduction of the technology."

Image equipment costs, processing rates and capture rates are still indeterminate, the researchers say. In addition, each bank's unique set of circumstances in its volume mix, time of arrival and check clearing practices affect the outcome.

"The main catch is that while image technology improves check processing rates, it also increases the number of processing steps," Dr. Reutzel said. "However, our model can assess the impact for any bank by following the timing of each check through the processing stages to deadlines made and missed, as well as by spotlighting direct processing costs."

The researchers described their work at the Bank Administration Institute's 1991 Check Processing Conference and in a recent article for the journal *Bank Management*.

— Gary Cramer

Pitfalls for faculty involved in consulting activities can be avoided by following University policy

Editor's Note: This is the second of four articles highlighting changes and important issues contained in the new "Intellectual Property, Technology Transfer and Entrepreneurial Activity Policies and Procedures" document.

The articles were prepared by members of the Intellectual Property and Entrepreneurial Activities Committee, a subcommittee of the Administrative Committee on Research (ACOR).

Consulting

The following excerpt from the *University Policies Governing Technology Transfer and Entrepreneurial Activities*, approved by the Board of Trustees in July 1990, concerns consulting by University faculty members. These policies are designed to protect the rights of faculty and the interests of the University.

The University encourages faculty consulting to promote technology transfer and professional development. However, faculty consultants should be aware of the following potential pitfalls which are addressed by the policies:

■ Faculty may engage in consulting activities up to one day per week.

■ Faculty are expected to notify cognizant University administrators (deans and department heads, program and center directors, office supervisors, etc.) prior to undertaking these activities.

■ Consulting involves personal liability with high risks unless proper agreements are in place: economic investments made on the basis of consulting advice can be large, so consultants should protect themselves from liability in case these investments turn into losses.

■ Faculty may inadvertently sign away their rights to all research in a particular area, even precluding their ability to apply for future grant funds.

■ University intellectual property rights may unknowingly be signed away in contravention of employment agreements.

■ Liabilities can arise if faculty consult for more than one company, especially if the commercial interests of the companies overlap.

■ Conflict of interest liabilities may arise if faculty consult with a company which also sponsors their research.

■ As state employees, faculty ordinarily cannot be paid for consultation with state agencies.

■ The use of University resources, without proper compensation, for private consulting also is normally prohibited.

PENNSTATE

"Liabilities can arise if faculty consult for more than one company, especially if the commercial interests of the companies overlap."

Careful attention should be paid by faculty to consulting agreements, before signing: while recourse to University lawyers in every case is not necessary, some familiarity with model consulting agreements, and a list of items whose presence in the proposed agreements should flag a warning, is a wise precaution. Further protection could be obtained by requiring the client to sign a disclaimer. These documents are available from cognizant University administrators.

For additional information, please contact the Research and Technology Office, 865-6331.

February 4 *Writing Across the Curriculum* conference planned to assist University personnel with course development

The importance of writing as a learning tool is the focus of the upcoming conference *Writing Across the Curriculum*, scheduled for Feb. 4 in the Keller Conference Center at University Park.

The conference, sponsored by the Office of Undergraduate Education and the Instructional Development Program, is part of the ongoing effort to assist faculty members and academic administrators in developing and implementing courses that use writing assignments as an instrument for learning subject matter.

"Writing-intensive courses are designed to teach students a method of inquiry and to introduce them to the writing associated with their given discipline or profession," said **Joan L. Parrett**, assistant director of the IDP. "The conference sessions are aimed at faculty, staff and administrators involved in the writing initiative at Penn State."

The impetus for including writing-intensive courses in the curriculum came as part of a 1985 Faculty Senate legislative report on General Education. In 1989 an advisory and consultative report included a recommendation that students seeking a baccalaureate degree complete at least three credits of writing-intensive courses as part of the graduation requirement. Each college or school is responsible for developing its own writing-intensive courses.

Writing-intensive courses have increased an astonishing 900 percent, going from 10 approved courses offered University-wide in April 1989 to 90 approved courses offered as of January.

"The writing initiative has been well received by faculty," Dr. Parrett said.

Dr. Parrett said the format of the one-day conference, which begins with 9 a.m. registration and includes lunch, is based on the concept of "idea sharing."

"There is a good mixture of how-to workshops and roundtable discussions with experienced writing-intensive course instructors. Conference sessions will look at techniques for grading, evaluation tools, assignments and roundtable discussions with other faculty members."

Four concurrent sessions beginning at 10 a.m. and running until noon include the following topics:

A. *"Evaluation Tools and Checklists for "W" Courses"*
B. *"The Past, Present and Future of the PSU Writing Initiative"*
C. *"Writing Sourcebooks: Developing One Within A Discipline"* and
D. *"Roundtable with Penn State Faculty: What I Learned From Teaching a "W" Course."*

In the afternoon beginning at 1 p.m. and concluding at 2:45 p.m. these four concurrent sessions will be held:

A. *"Instructional Uses of Computers in "W" Courses"*
B. *"Part I: Writing to Learn,"* and *"Part II: How An Instructor Can Survive A Writing-Intensive Course"*
C. *"Effective "W" Library Research Projects: Design and Evaluation"* and
D. *"Roundtable."*

Beginning at 3 p.m. and concluding at 5 p.m., the following concurrent sessions will be held:

A. *"Part I: Writing to Learn," and "Part II: How an Instructor Can Survive a Writing-Intensive Course"*
B. *"Productive Peer Groups: How to Organize Students"*
C. *"Writing-Intensive Course Proposals and Alternative "W" Course Models"* and
D. *"Roundtable."*

Interested faculty and staff may receive more information and a registration form from associate deans of their colleges or campus directors of academic affairs. Preregistration forms should be mailed to the Instructional Development Program, 401 Grange Building, 863-2599 by Jan. 24.

University Five-Year Academic Calendar

Fall Semester	1991 - 1992	1992 - 1993	1993 - 1994	1994 - 1995	1995 - 1996
*Arrival Day for New Students	Expired schedule	SAT 8/22	SAT 8/21	SAT 8/20	SAT 8/19
*Arrival Day for Return Students		SUN 8/23	SUN 8/22	SUN 8/21	SUN 8/20
*Registration Deadline		TUES 8/25	TUES 8/24	TUES 8/23	TUES 8/22
1st Day of Classes		WED 8/26	WED 8/2S	WED 8/24	WED 8/23
Labor Day		MON 9/7	MON 9/6	MON 9/5	MON 9/4
Thanksgiving Holiday		THURS-SUN 11/26-29	THURS-SUN 11/25-28	THURS-SUN 11/24-27	THURS-SUN 11/23-26
Classes End		FRI 12/11	FRI 12/10	FRI 12/9	FRI 12/8
*Study Days		SAT, SUN 12/12-13	SAT, SUN 12/11-12	SAT, SUN 12/10-11	SAT, SUN 12/9-10
*Final Exams		MON-SAT 12/14-19	MON-SAT 12/13-18	MON-SAT 12/12-17	MON-SAT 12/11-16
Offices Close 5 p.m. for Christmas		WED 12/23/92	WED 12/22/93	FRI 12/23/94	THURS 12/21/95
*Commencement	SAT 1/11/92	SAT 1/9/93	SAT 1/8/94	SAT 1/7/95	SAT 1/6/96
Spring Semester					
*Arrival Day	WED 1/8	WED 1/6	WED 1/S	WED 1/4	WED 1/3
*Registration Deadline	FRI 1/10	FRI 1/8	FRI 1/7	FRI 1/6	FRI 1/5
1st Day of Classes	MON 1/13	MON 1/11	MON 1/10	MON 1/9	MON 1/8
Spring Break	MON-FRI 3/9-13	MON-FRI 3/8-12	MON-FRI 3/7-11	MON-FRI 3/6-10	MON-FRI 3/4-8
Classes End	FRI 5/1	FRI 4/30	FRI 4/29	FRI 4/28	FRI 4/26
*Study Days	SAT, SUN S/2-3	SAT, SUN S/1-2	SAT, SUN 4/30,5/1	SAT, SUN 4/29-30	SAT, SUN 4/27-28
*Final Exams	MON-SAT S/4-9	MON-SAT S/3-8	MON-SAT S/2-7	MON-SAT S/1-6	MON-SAT 4/29-5/4
*Commencement	SAT, SUN S/16-17	SAT, SUN 5/15-16	SAT, SUN S/14-15	SAT, SUN S/13-14	SAT, SUN S/11-12
***Summer Session**					
Intersession Begins	MON 5/11	MON S/10	MON S/9	MON 5/8	MON 5/6
Intersession Ends	FRI 6/S	FRI 6/4	FRI 6/3	FRI 6/2	FRI S/31
8-wk Registration Deadline	TUES 6/9	TUES 6/8	TUES 6/7	TUES 6/6	TUES 6/4
8-wk Classes Begin	WED 6/10	WED 6/9	WED 6/8	WED 6/7	WED 6/S
6-wk Registration Deadline	TUES 6/23	TUES 6/22	TUES 6/21	TUES 6/20	TUES 6/18
6-wk Classes Begin	WED 6/24	WED 6/23	WED 6/22	WED 6/21	WED 6/19
Independence Day Holiday	FRI 7/3	MON 7/S	MON 7/4	TUES 7/4	THURS 7/4
8 & 6 Wk Sessions End	WED 8/S	WED 8/4	WED 8/3	WED 8/2	WED 7/31
Finals	THURS-SAT 8/6-8	THURS-SAT 8/5-7	THURS-SAT 8/4-6	THURS-SAT 8/3-5	THURS-SAT 8/1-3
Commencement	SAT 8/1S	SAT 8/14	SAT 8/13	SAT 8/12	SAT 8/10

***Campuses other than University Park may have variations in these dates**

Source: Office of The University Registrar (Nov. 18, 1991)

Bookshelf

Wilbur Zelinsky, professor emeritus of geography, is co-author with Lezek A. Kosinski of the University of Alberta, Edmonton, Canada, of *The Emergency Evacuation of Cities: A Cross-National Historical and Geographical Study*, published by Rowman & Littlefield Publishers, Inc.

In this study, the two geographers present the first comparative cross-national analysis of emergency evacuations engendered by every sort of disaster: military, natural, and industrial.

The authors have selected 27 evacuations of cities due to actual or anticipated emergencies during the past 50 years, from the Ohio River Flood of 1937 to the Chernobyl nuclear accident in 1986.

The Emergency Evacuation of Cities deals with an unprecedented range of places throughout the world—urban communities at various levels of socioeconomic development and over the longest span of time feasible. The authors analyze, compare, and contrast these extraordinary events, testing a series of hypotheses in an effort to learn what light historical experience can shed on areas of scholarly and practical concern.

Milton C. Hallberg, professor of agricultural economics, and **Jill L. Findeis**, associate professor of agricultural economics, are editors, with Daniel A. Lass of the University of Massachusetts, of *Multiple Job-Holding among Farm Families*, published by Iowa State University Press.

Multiple Job-Holding among Farm Families consists of papers presented at a 1988 symposium which focused on farm families in which one or both spouses work part- or full-time jobs in addition to farming.

The book covers reasons farmers work multiple jobs, examines recent trends, and identifies the place of multiple job-holding in modern agriculture. It highlights theories about the economic behavior of multiple job-holding farm families, reviews findings of recent surveys, examines labor market factors impacting farm families, and identifies public policy programs and issues.

Glendon Blume, associate professor of education, and **Robert Nicely**, professor of education, are the authors of a new book, *A Guide for Reviewing School Mathematics Programs*, commissioned by the National Council of Teachers of Mathematics and the Association for Supervision and Curriculum Development.

Private Giving

AT&T contributes more than $400,000 worth of computers and related equipment to University

A $433,000 gift of computers and related equipment from AT&T is helping the University to prepare better science and math teachers and attract more students to careers in these fields.

AT&T's gift to Penn State is part of a program announced this fall in which the company donated computer equipment and services valued at nearly $18 million to 44 schools nationwide, for projects ranging from cancer research to a study of water quality in the Chesapeake Bay.

The College of Education received AT&T equipment valued at $192,000 to establish a field laboratory in the Bellefonte Area Middle School. The school will serve as an experimental field laboratory that will enable college faculty to study and introduce improved teaching methods for math and science.

The gift also supports collaborative projects under way or soon to begin in the Eberly College of Science, and at the Penn State McKeesport Campus and Penn State Great Valley.

"We have made a commitment to 'reinvent' education in the Bellefonte Middle School," **Kyle Peck**, associate professor of education, said. "The donation of this equipment by AT&T defines and supports this commitment at the corporate level. Over half of the faculty at the Bellefonte school have volunteered to implement our strategies in their classrooms, and AT&T has provided the essential equipment to do that."

The middle-school computer laboratory will connect 10-to-12 year olds with college students in a lab in the College of Education. The aim is to allow University students who plan to become scientists or science teachers to interact with the middle school students on a personal level, and to allow both sets of students to transmit and share data.

According to Dr. Peck, software packages also will be evaluated and developed for individualized district uses, and the data gathered in the field laboratory will play a vital role in determining strengths and weaknesses in the curriculum.

AT&T donated 10 work stations to the college and 20 to the Bellefonte Area Middle School. The equipment is expected to be fully operational by spring semester 1992, but some is already in use.

Meanwhile, the Eberly College of Science received equipment valued at $120,000, most of which will go toward the creation of an undergraduate enrichment center in the Department of Biology. There, faculty will use AT&T networked computing to more effectively integrate introductory lecture courses which are taken by nearly all of Penn State's 60,000 undergraduates, with laboratories.

"Visually demonstrating experiments helps to bring the sciences to life," said **Richard Cyr**, assistant professor of biology, who is in charge of implementing these courses. "A teacher can briefly explain the experiment, then present it using computer-assisted animation, followed by a detailed discussion with the class."

Students also could use computers to simulate dissections, capture and analyze data for photosynthesis experiments, and for many other activities, according to Dr. Cyr.

"We've already tested some of these innovative teaching methods and the results are very encouraging," he noted.

McKeesport Campus and Great Valley each will receive about $60,000 worth of computer equipment. These campuses will serve as "gateways" to channel the new teaching methods to the public schools. Both campuses attract large numbers of primary and secondary school teachers who enroll in continuing education courses, allowing Penn State faculty to work with a larger teacher population than is available in Centre County.

"This project shows Penn State can address the issue of declining interest in scientific careers," **Rodney Reed**, dean of the College of Education, said. "By implementing programs and technologies aimed at middle school students, at college students who are considering careers as scientists or science teachers and at teachers already in the work force, we will be able to take a nationwide leadership role in addressing the critical shortage of scientists."

Convocation and Events Center receives $200,000 boost from gifts

Four more gifts of $50,000 each have been received to help the University build its Academic/Athletic Convocation and Events Center. The contributors include:

— **Thomas** and **Jane Derr** of State College. Mr. Derr is president of Big John Corp., Pleasant Gap, a producer of outdoor barbecue cooking equipment. The corporation also includes Big John Party Rentals and Sales, and Big John Marketing Group, all of Pleasant Gap.

— **Lawrence G. Foster Jr.** and **Ellen Foster**, who maintain homes in State College and Westfield, N.J. Mr. Foster, a former University trustee, is retired as corporate vice president for public relations at Johnson & Johnson and serves on Penn State's National Development Council, its highest level fund-raising advisory body. The Fosters have been generous benefactors to the University for many years, and also are currently active in fund-raising activities for the University Libraries.

— **Nicholas** and **Gelsa Pelick** of Bellefonte. Mr. Pelick is a former president and chief executive officer of Supelco, a company he co-founded in 1966. The Pelicks previously established a faculty fellowship in biotechnology.

— **Commonwealth Bank/West**, with two offices in State College, serves the Clinton and Centre counties markets. It is a regional bank of Commonwealth Bank, headquartered in Williamsport. Commonwealth Bank operates eight regional banks and 59 community offices within 13 northcentral Pennsylvania counties.

These gifts are part of a University campaign to raise $20 million in private funds for the center, which will be used for a variety of academic, athletic, entertainment and cultural events.

A recent study by Penn State researchers estimated that when the center is fully operational, it would be hosting 200 events annually and attracting 1.25 million visitors. This level of activity would result in a $24 million regional economic impact and create 500 jobs.

The total cost of the Convocation Center is estimated at $55 million. The state legislature has appropriated $33.8 million for the project.

The state Department of General Services recently appointed the joint venture of Haas/Rosser Fabrap/Brinjac Kambic to design the structure, which is scheduled to open by the 1994-95 winter sports season.

Business leader gives $50,000 for Mateer

State College real estate developer and business leader John S. "Jack" Sapia and his wife, Doris, have committed $50,005 to help build the Mateer Building, the new home of the School of Hotel, Restaurant and Recreational Management, at University Park.

The 35,000-square-foot structure, to be located near Keller Conference Center along Park Avenue, will house the school's dining room, production and research kitchens, classrooms, technology center and hospitality information systems laboratory.

The Sapias noted that they have special ties to the hotel and restaurant curriculum and to Penn State. Mr. Sapia was a student in the University hospitality program in the 1950s and his sons are pursuing careers in that field. Mark Sapia is a graduate of Michigan State University and the Culinary Institute of America, and Tony Sapia is a student in the hotel and restaurant management program at Cornell University. Doris Sapia holds a master's degree in education from Penn State.

Mateer Building construction costs are estimated at $6 million. The University has allocated $2.1 million and the remainder will come from private gifts. Plans also are being made to raise $1 million in private funds to help equip the facility.

The School of Hotel, Restaurant and Recreation Management enrolls about 800 students and is part of the College of Health and Human Development.

PROGRESS AT PENN STATE 1983-91

Here is a statistical snapshot of Penn State's progress and achievements in significant areas during the past nine years.

These accomplishments support Penn State's overarching strategic goal of securing its status among the best public research universities in the nation.

	1983	1991	% of increase
Research expenditures	$114.8 million	$275.2 million (1991)	139.7
National Science Foundation ranking, total R&D expenditures	20th	9th (1991)	——
National Science Foundation ranking, industry-sponsored R&D expenditures	3rd	2nd (1990)	——
Department of Defense ranking, research expenditures	10th (1984)	3rd (1991)	——
Total enrollment	61,761	70,597 (1991)	14.3
Graduate enrollment	7,226	10,299 (1991)	42.5
Minority enrollment	2,836	5,273 (1991)	85.9
Minority faculty/profess. staff	301	581 (1990)	93.0
Women faculty/profess. staff	1,657	2,807 (1990)	69.4
Total operating budget	$610.9 million	$1.373 billion (1991)	124.8
State appropriation	$149.4 million	$259 million (1991)	73.4
Endowment	$56.8 million	$194 million (1991)	241.6
Annual fund raising	$17.8 million	$61.4 million (1991)	244.9
Endowed faculty positions	19	141 (1991)	642.1
Endowed scholarship funds	400	953 (1991)	138.3
Alumni Association	68,687	103,000 (1991)	50.0
Physical Plant value	$1.3 billion	$2.2 billion (1990)	69.2

10/91

Center dedicated at New Kensington

Reacting to the need for additional adult student services, the Penn State New Kensington Campus has dedicated a newly expanded on-site child care center.

"Penn State New Kensington is proud of its long history of service to the Alle-Kiski Valley and the eastern suburbs of Pittsburgh," Robert Arbuckle, campus executive officer, said. "This tradition of service will be greatly enhanced by this newest addition to our campus."

Operated by Valley Community Services, the new child care center will be open to the public. It will allow University students to receive low-cost, on-site child care services wile they pursue their education. The College of Education also will utilize the center as a field site for several courses in the Early Childhood Education program.

The center was developed with financial assistance from the University's Office of Human Resources and Alcoa's Technical Center. Alcoa plans to promote the child care center to its employees since they currently do not have on-site access to child care services.

Obituaries

Margot D. Udine, campus scheduler, Commonwealth Educational System, from Sept. 17, 1953, until her retirement Jan. 1, 1968, died Sept. 26. She was 83.

Arleen R. Maloy, clerk typist, College of Agriculture, from Aug. 1, 1958, until his retirement Jan. 1, 1984, died Oct. 7 at the age of 69.

Anna M. Wingard, counter attendant, Housing and Food Services, from Dec. 11. 1952, until her retirement April 8, 1969, died Oct. 23 at the age of 86.

25-year award recipients

Observing 25 years of service at the University are, from left, Mildred A. Greese, relief operator; Virginia E. Fetters, press operator, and Paul B. Jones, group leader, Bindery, all with Printing Services, Office of Business Services; Robert L. Kidder, director, Employment and Development, Office of Human Resources, and Robert L. Shuman, undergraduate studies adviser/consultant, Penn State Berks Campus.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, January 23. DO NDT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment Practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02304, Operations Coordinator, Eberly College of Science, Computer Science, University Park Campus** — Responsible to lab director for coordinating hardware installation and maintenance. Write and enforce lab procedures, organize and update library and system files, establish and maintain inventory and quality control; coordinate telecommunications and networking, supervise lab operators, provide technical advice and training on UNIX. Requires bachelor's degree, or equivalent, in computer science, engineering or closely related field, plus two to four years of effective experience. Hardware installation/maintenance procedures at the chip level required. This is a re-announcement, previous applicants need not re-apply. STAFF GRADE 6

■ **02105, Reactor Supervisor/Reactor Utilization Specialist, College of Engineering, Department of Nuclear Engineering, University Park Campus** — Responsible to the operations and training manager for supervising the operation of the PSBR TRIGA Reactor and other support systems of the facility in accordance with applicable faculty (PSBR) and federal (USNRC) regulations. Under the direction of a Department of Nuclear Engineering faculty member, be responsible for assisting with portions of Nuclear Engineering courses, reactor operator training programs, and reactor utilization seminars. Requires bachelor's degree, or equivalent, in engineering, physical science, or related field plus three to four years of effective experience in developing, implementing, and performing nuclear analytical and utilization techniques. Within prescribed time employee must qualify for Senior Reactor Operator's License. STAFF GRADE 6.

■ **02106, Design Specialist, College of Agriculture, Ag Information Services, University Park Campus** — Utilize various computer graphics programs to copyfit text into well-organized, effective formats. Select appropriate typography, illustration, photography, color and printing option and prepare art for vendor. Consult with college administrators, faculty and staff to conceptualize and produce publications and other visual products to meet defined communications and budget requirements. Requires bachelor's degree, or equivalent, in graphic design or related field plus one to two years of effective experience in publication design and production. Knowledge of computer graphics and photography preferred. STAFF GRADE 5.

■ **02107, Area Representative, Continuing Education, Delaware County Campus** — Responsible to the director, Continuing Education, for providing the University function of Continuing Education in an assigned service area. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry or education. STAFF GRADE 7.

■ **02108, Computer Specialist, CES, Allentown Campus** — Responsible to the library director for the supervision and maintenance of academic and administrative computing operations. Install new and maintain existing computer equipment and software on PC's and LAN. Perform routine maintenance and troubleshoot problems on all computers. Develop and conduct training workshops for students, faculty, and staff. Assist users with computer-related problems and projects. Requires associate degree, or equivalent, in computer science or related field plus two to three years experience in microcomputer systems and knowledge of programming languages. Bachelor's degree and training experience preferred. STAFF GRADE 5

■ **02109, Applications Programmer Analyst, Computer and Information Systems, Library Computing Services, University Park Campus** — Responsible to designated leader for conducting analyses of data processing and operational problems, determining detailed requirements to solve problems, formulating logical statements of systems problems, and preparing computer programs to satisfy desired end results. Assist in providing direction and control within the specifications of project schedule. Requires bachelor's degree, or equivalent, in basic computer systems and one to two years of effective experience in computer programming and analyses. Experience with DEC VMS is preferred. This is a fixed-term position funded for a minimum of six months from the date of appointment, with excellent possibility of re-funding. STAFF GRADE 6

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **January 23**.

■ **10177, Psychiatric Social Worker II, Department of Psychiatry (Inpatient)** — Responsible to the unit director, Department of Psychiatry, for provision of the psychiatric social work services within the unit and serve as part of the mental health team in providing counseling for mentally and emotionally disturbed patients and their families. Requires a master's of social work degree from an accredited college or university or equivalent and at least 1-2 years of effective experience. STAFF EXEMPT, GRADE 6

■ **10166, Program Coordinator, Cystic Fibrosis and Pediatric Pulmonary Medicine** — Responsible to the chief, Pediatric Pulmonary Disease, and the assistant director of nursing, Division of Maternal/Child Health, for coordinating clinical visits, all aspects of inpatient and outpatient care, and clinical research. Requires a master's degree in nursing or equivalent with current license by Pennsylvania State Board of Nursing, plus 3 to 5 years of effective clinical pediatric experience to include pediatric patient evaluation, management of treatment protocols, and some experience with cystic fibrosis and pediatric pulmonary disease. This is a fixed term position. STAFF EXEMPT, GRADE 7.

■ **10172, Psychiatric Clinic Coordinator, Department of Psychiatry** — Responsible to the director, Behavioral Medicine/Therapy Program, for coordination of the patient flow in the various clinics (Eating Disorders, Pain, Phobias, and Stress Disorders). Also responsible for obtaining past medical records and relevant laboratory findings of the various patients involved. Requires an associate degree or equivalency in psychology, plus 1-2 years of effective experience. STAFF NONEXEMPT, GRADE 4.

Faculty Senate News

The University Faculty Senate will meet on Jan. 21, 1992, at 1:30 p.m. in Room 112 Kern.

Items to be discussed at the Jan. 21, 1992, Senate meeting:

■ Status of University Construction Projects

■ Amendment to the Standing Rules, Article II, Section 6(l), Requiring Representation from the College of Medicine, Penn State Erie, Penn State Harrisburg and the University Libraries on the Senate Committee on Faculty Affairs

■ Amendment to Standing Rules, Article II, Section 6(g), Elimination of the Requirement for Representation of the College of Medicine on the Curricular Affairs Committee

■ English 202

■ Grade Distribution Report

■ Faculty Census Report - 1992-93

■ Three Cells vs. Four Cells in Promotion and Tenure Documents

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Kathy Garman, Calendar

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Keeping a vision of quality is key to the future

No quick fixes for fiscal problems, Dr. Thomas says

Penn State is already "leaner and meaner" than many of its peer institutions that have faced major budget cuts and layoffs in the past year, President Thomas told the University's Board of Trustees at its meeting Jan. 17 at University Park. "And there are no easy quick fixes to solve our budget problems," he said.

In a special budget workshop requested by the Board, top University officials, including President Thomas, outlined the historic background of recent decades that has included a large growth in student population and national reputation. Those improvements and an increase in size – an addibonal 10,000 students since 1984 – carry a price tag for which he said there are basically two sources of funds: students and the state.

"In 1980-81 the state appropriation made up approximately 29 percent of the University's total operating budget," President Thomas said. "This year the state appropriation supplies 18.8 percent of our budget. No single comparison sums up the fiscal situation this University finds itself in more clearly than those two numbers.

"And if you look back further in our history, you will find that the state appropriation was much higher in the 1970s than it was in the 1980s as a proportion of operating dollars. In constant dollars Penn State has fewer dollars per student in 1992 than in 1971.

See related story on page 6

"The Penn State you see today, the Penn State with a national, indeed international academic reputation, has taken its place among the very finest institutions in the nation despite the declining proportion of financial support it has received from the Commonwealth of Pennsylvania.

"One indicator that our vision of quality has been on the right track may be that in the past quarter century Penn State's enrollment has increased by 30,000 students." That has been a clear vote of confidence during a period marked in recent years by a decline in the number of Pennsylvania high school graduates."

Dr. Thomas said that although Penn

See 'Budget' on Page 4

Mateer construction begins

Construction has begun on the Mateer Building at University Park. The two-story building, which will house the College of Health and Human Development's School of Hotel, Restaurant, and Recreation Management, is being located east of the Keller Conference Center. The Business Administration Building is in the background of this Greg Grieco picture.

Fredman, Schreyer re-elected to Board of Trustees positions

Marian **U. Coppersmith Fredman**, president of The Barash Group and publisher of Town and Gown and Where and When magazines, has been re-elected president of the Board of Trustees.

William Schreyer, chairman and chief executive officer of Merrill Lynch and Co. Inc., was re-elected vice president of the board.

A 1953 Penn State graduate, Ms. Fredman has been a member of the board since 1976, when she was elected by the alumni to her first three-year term. She has chaired and served on various board committees.

She is past president of the board of the University Renaissance Scholarship Fund and was named its honoree in 1990. She received the College of the Liberal Arts Alumni Society Service to Society Award in 1984 and the Lion's Paw Medal Award in 1985.

Among her other honors are the Distinguished Daughter of Pennsylvania Award, Pennsylvania Small Businessperson of the Year Award, the Award for Distinguished Service to State Government of the National Governors Association, and Distinguished Pennsylvanian Award of the Philadelphia Chamber of Commerce.

Mr. Schreyer has been a member of the board since 1986, serving his first term as appointee of Gov. Richard Thornburgh, and later being elected by industrial societies in 1990.

A 1948 Penn State graduate and a Williamsport native, he has devoted his entire professional career to Merrill Lynch and Co. Inc., becoming president and chief operating officer in 1982, chief executive officer in 1984 and chairman in 1985.

A Distinguished Alumnus of the University, Mr. Schreyer has served as national chairman of The Campaign for Penn State and as a member of the Board of Visitors of The Smeal College of Business Administration.

Other board officers include President Thomas, who serves as ex officio secretary of the board, and the following, who were elected to one-year terms:

Steve **A. Garban**, senior vice president for finance and operations, treasurer of the board; **Raymond D. Nargi**, associate treasurer of the board; **David E. Branigan**, assistant treasurer of the board; **Paula R. Ammerman**, staff associate and associate secretary of the board; **Carolyn A. Dolbin**, administrative assistant to the president, and **Joseph F. Krawiec**, director of systems and administrative services, assistant secretaries of the board.

Focus on Diversity

As part of 25th anniversary celebration

Delaware County Campus to hold Cultures of Africa program

A Cultures of Africa program will be held throughout the spring semester at the Penn State Delaware County Campus.

The program, which involves faculty, staff and students, as well as visiting scholars, guest performers, and members of the community, focuses the full resources of the campus on one of the great cultural heritages of humanity.

The events, which are part of the 25th Anniversary Celebration of the Delaware County Campus, represent the University's commitment to the study and appreciation of the riches of cultural diversity.

The program was organized by Constance Kirker, lecturer in art, art history and art education, and Robert Ginsberg, professor of philosophy, with the assistance of colleagues and campus organizations.

The events represent the University's commitment to the study and appreciation of the riches of cultural diversity.

It includes credit courses, workshops, exhibits, an international film festival, lectures and roundtables, visiting scholars, performances, field trips, student contests, receptions, and an African Festival.

Official opening ceremonies were held at 11:30 a.m. today. Guests included **John A. Brighton**, executive vice president and provost of the University, and **James Stewart**, vice provost. **David Clement**, president of the Black Student League at the campus, made welcoming remarks.

Helping minority youth

University officials meet Pittsburgh leaders

President **Thomas**, Vice Provosts **Grace Hampton**, **James Stewart** and other University officials met with Pittsburgh-area business and community leaders in Pittsburgh recently to discuss the establishment of an education, business and community advisory group focused on helping minority youths become better prepared for higher education and the workforce.

The meeting was hosted by the Duquesne Light Company. It was organized by Anthony Mitchell, director of the Pittsburgh Center. **Don Sheffield**, assistant to the vice provost, gave the keynote presentation.

According to Dr. Sheffield, the advisory group will be called the Urban Youth Community Development Council.

"We were pleased with the overwhelming response and support from everyone involved," he said.

Future meetings are being planned.

Diversity Opportunities Calendar

Saturday, Jan. 25
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Promotion and Tenure is the topic of the first of a series of faculty development workshops. Dr Harold E. Cheatham, professor of education, will be the speaker.

Sunday, Jan. 26
WPSX-TV, 7 p.m., Channel 3. Part two of television series titled, "Americans, Too: Black Experiences in Rural America."

Friday, Jan. 31
Men of Color, 5:30 p.m., Days Inn Sly Fox Lounge. Monthly social.

Through Jan. 31
Penn State University Libraries, daily, Pattee Library lobby and African American Studies Room. Exhibit titled, "Martin Luther King: The Civil Rights Movement." Features excerpts from speeches and photographs of Dr. King, including his visit to Penn State, and other civil rights leaders.

WPSX program airs on Sundays

Americans, Too: Black Experiences in Rural America, a WPSX-TV/Rural American Documentary Unit (RADOC) series looking at the experience of being Black and living in rural America, will air at 7 p.m. Sundays on WPSX-TV, Channel 3, through Feb. 23.

This Sunday's program, "Do You Hear What I'm Saying?," chronicles the Mt. Union NAACP's efforts to organize Blacks and their white allies around the issue of racism and includes comments from Black and white community members about such attempts.

P.J. O'Connell is executive producer of the project. Kimberlie Kranich is associate producer.

Obituaries

Isabel A. Carson, administrative assistant, Research and Graduate School, from Jan. 1, 1964, until her retirement Jan. 1, 1991, died Dec. 17 at the age of 62.

Philip E. McKenna, security officer, Worthington Scranton Campus, from Nov. 26, 1973, until his retirement Dec. 1, 1983, died Dec. 19. He was 71.

S. Earl Thompson, professor emeritus of hotel and institution administration, died Dec. 18. He was 81.

A graduate of Southern Illinois University, he received an M.S. degree in personnel and guidance and a D.Ed. in personnel administration from the University of Illinois.

From 1952 to 1955, he headed the department of Institution Management at Michigan State University. For three years prior to coming to Penn State in 1958, he was assistant director of the School of Hotel, Restaurant and Institution Management at Michigan State.

He joined Penn State as head of the Department of Hotel and Institution Administration and was placed in charge of its undergraduate and graduate program when the College of Human Development underwent reorganization in 1967. He retired July 1, 1970.

Dr. Thompson was the first recipient in 1966 of the George R. Gossett Award presented for "outstanding service" by the American Society for Hospital Purchasing Agents. He served as president and chairman of the board of the National Council on Hotel, Restaurant, and Institution Education, and was founder and first president of the Association of College and University Housing Officers.

Russell W. Brennan, maintenance supervisor, Office of the Physical Plant, from April 1, 1948, until his retirement July 1, 1965, died Dec. 20 at the age of 86.

Anna E. Brown, senior account clerk, Commonwealth Educational System, from Nov. 1, 1941, until her retirement Sept. 14, 1972, died Oct. 18. She was 83.

Terry L. Coble, general helper-repairer, Housing and Food Services, from March 24, 1969, until his retirement March 16, 1991, died Dec. 19. He was 60.

William S. Meachem, coordinating analyst-agriculture, Management Services, from Aug. 1, 1960, until his retirement July 1, 1978, died Nov. 1. He was 78.

From the Trustee Docket

Faculty honored

The Office of the President has awarded six faculty members the title of Distinguished Professor, the Board of Trustees has learned.

Based on nominations from college committees and recommendations by college deans to the University president, the title recognizes "an exceptional record of teaching, research and/or creativity and service." All of those honored are full professors, are acknowledged to be excellent teachers and are internationally recognized in their fields of specialization.

The colleges participating in the 1992 nominations were Agricultural Sciences, Engineering, Liberal Arts and the Eberly College of Science.

This year's recipients are: **Gordon F. De Jong**, professor of sociology; **Sabih I. Hayek**, professor of engineering mechanics; **Bruce G. Lindsay**, professor of statistics; **Robert M. Stern**, professor of psychology; **James L.W. West III**, professor of English; and **Kenneth P. Wilkinson**, professor of rural sociology.

Dr. De Jong is one of the world's leading scholars of migration behavior. He has served as editor of Demography and played a critical role in the development of the Population Issues Research Center, serving as director for eight years. He regularly teaches all levels of students, initiated and directed the graduate program in demography and has written a key graduate textbook, *Social Demography*.

Dr. Hayek is an international expert in engineering mechanics and acoustics with significant contributions in structural acoustics, active noise and vibration control and underwater acoustic scattering. He was instrumental in creating the multidisciplinary effort resulting in the Research Center for Acoustics and Vibration Engineering in the College of Engineering. In addition, he has built an extraordinary reputation as a teacher and mentor for students at all levels.

Dr. Lindsay has earned a wide reputation for his seminal work in mixture models. His work on conditional likelihood inference in the presence of nuisance parameters also is recognized as a major contribution to the foundations of statistical theory and has practical applications to genetics and ecology. He serves as associate editor of two journals in theoretical statistics and provides expertise to University faculty in many disciplines. His doctoral students are now making their own contributions to the field.

An international expert in psychophysiology, Dr. Stern is particularly known for his studies of motion sickness, including its control in space travel. He pioneered the electrogastrogram, a noninvasive tool for the clinical evaluation of gastrointestinal disorders, and frequently collaborates with researchers in the College of Medicine. He received a Distinguished Teaching Award in 1978 from the College of the Liberal Arts and recently received a special award of appreciation from the minority graduate students in his department.

Dr. West has received acclaim for his work as textual editor of the University of Pennsylvania's Dreiser series. His groundbreaking edition of *Sister Carrie* restored the text to Dreiser's original intentions. He also has written a monograph on F. Scott Fitzgerald, among other books and articles, and was recently chosen as the authorized biographer of William Styron. In addition to numerous grants and awards, he is highly ranked for his teaching and is considered an excellent mentor of graduate students.

Dr. Wilkinson's research on community change and development, especially on rapidly changing boom towns, is known worldwide. A national and international consultant on community change, he participates frequently on research evaluation teams. He has served as president of the Rural Sociological Society, on the governing council of the International Rural Sociology Association and is the local arrangements chair for the Eighth World Congress of Rural Sociology to be held at Penn State this year. He is considered a superior teacher with an unusual ability to motivate and inform students.

The title of Distinguished Professor was initiated in 1990 to recognize a limited number of outstanding professors throughout the University system and 48 faculty members now hold the title.

Behrend complex

The Board of Trustees has approved proposed sketch/preliminary plans for a new laboratory complex at Penn State Erie, The Behrend College.

The two- story complex, designed by Burt Hill Kosar Rittleman Associates of Butler, will provide space for instruction and research laboratories. It will be connected to the adjacent Hammermill and Zurn Buildings at the lower level and to the Nick Building at both levels.

With 50,000 gross square feet, the complex will include laboratories for electrical engineering, plastics, materials research, and computer assisted design. Classroom, seminar, office space, and a tool and die shop also will be located in the new building.

Approximately $4 million of the project's $6 million budget will be generated through fundraising activities in the Erie area.

In other action, the board:

– Approved the appointment of the Ewing Cole Cherry firm of Philadelphia as architect for the proposed Music Building II at University Park.

Artist's rendering of new lab complex at Penn State Erie, The Behrend College.

The $5 million project would include a 32,800-gross-square-foot facility built adjacent to the existing Music Building and connected with it at each floor. The new building would house practice rooms, classrooms, instrument storage areas, teaching studios, academic offices, and music libraries.

In addition, alterations would be made to approximately 8,200 square feet of the original Music Building.

– Approved the employment of an architect to design Phase II of the Hospital East Addition at the Hershey Medical Center.

The original Hospital East Addition project included a new outpatient-entrance and admitting facilities, a new and expanded surgical intensive care unit, renovation and expansion of the surgical suites, and a relocated and enlarged emergency department. The work on the surgical suites and the emergency room area was eventually postponed.

Robert D. Lynn, Associates, which did the original design work, will design Phase II, the expansion of the East Addition, which was dedicated in September 1991.

The new two-story, 44,000-square-foot facility will be constructed to the north of the Hospital East Addition.

Convocation Center

The Board of Trustees has received an early preview of preliminary planning for the Academic/Athletic Convocation and Events Center.

"We anticipate presenting the plans for the Trustees' approval at the March meeting, but we thought it was important to give an early preview of the general direction of the project," James Wagner, vice president for business and operations, said.

"Many faculty, staff and community members were consulted to provide input concerning their specific fields of expertise," he noted. "The designers and the University planning/programming committee have had many meetings, work sessions and reviews."

The joint venture of Haas/Rosser Fabrap/Brinjac, Kambic was selected by Pennsylvania's Department of General Services to design the $55 million center, which will host a variety of academic, athletic, cultural and entertainment events.

The site plan shows a proposed 345,000 square-foot structure, organized on five main levels. The structure is set on a natural slope, which will reduce its apparent height. The exterior will include brick, masonry and a glazed curtain wall near the entryway levels of the building.

See 'Trustee Docket' on Page 4.

Budget

(Continued from Page 1)

State has not been forced to lay off faculty and staff or shut down programs as have many other good institutions, absorbing the growth has been difficult and other choices that must be made are becoming increasingly difficult.

"When measured through a variety of comparisons with other institutions, the data clearly indicate Penn State is a well-managed, cost effective institution," he said.

"You have to be careful that when you go into a budget looking for ways to cut corners, you are not, in fact, cutting quality."

The University of California plans to cut enrollment by 5,500 over the next few years while reducing employees by 3,500 – including nearly 700 faculty. Oregon cut enrollment by 2,000 students a couple of years ago and plans to cut it an additional 2,000 students by next year. Some institutions, such as the University of Illinois, have dealt with economic constraints by eliminating salary increases.

Other universities have turned to tuition increases to deal with their difficulties, Dr. Thomas said. These include Virginia at 13 percent, North Carolina at 15 percent, Texas at 16.5 percent, Oregon at 32 percent, Berkeley at 34 percent and SUNY Buffalo implemented a 65 percent tuition increase.

"The financial troubles besetting every state in the nation give an extra sharp edge to the budget decisions universities must make," he said. "Extremely hard choices are forced by today's scarce resources.

"Those choices are even more difficult when long-term consequences are taken into account. In choosing whether to fund this, eliminate that or hold the line here and there, universities also choose how they will serve the future -- a future we all know, that is dependent on higher learning."

Dr. Thomas told the Trustees that the future will be best served by firmly "keeping a vision of quality."

He pointed to underfunding as a serious problem faced by all public colleges and universities in the Commonwealth. In 1990-91, for instance, Pennsylvania ranked 47th among the 50 states in appropriations per capita – nearly 40 percent below the national average.

In 1990-91 Penn State received $62.4 million less than the average of 40 of the largest public universities in the nation, but served 26,000 students more – nearly 60 percent more students than the average of the 40 other institutions.

As part of the Board's budget workshop, John Brighton, executive vice president and provost of the University, provided an overview of the planning and budget process at Penn State.

'The future will be best served by firmly keeping a vision of quality.' —President Thomas

Dr. Brighton explained that in 24 meetings last year, the President's Planning and Budget Advisory Committee worked to develop recommendations for the Budget Task Force regarding priorities for allocation of program funds. The committee is composed of faculty, graduate and undergraduate students, and senior administrative representatives.

"The process includes substantial involvement by a very broad-based group of people," he said. "It is a time-consuming process, but a necessary one to obtain the input of those who really manage Penn State's budgets."

He said that this year the University has expanded the strategic planning process to include the concept of continuous quality improvement, "a key issue in achieving our vision of Penn State."

As part of that process, Dr. Brighton said a Committee on Quality Improvement was appointed last fall and 25 continuous quality improvement teams have been established.

"Among the processes those teams are examining are sponsored programs contract negotiations and processing, inventory control and purchasing, delivery of student financial services, advance registration, and the teaching of physics to engineering students."

Steve A. Garban, senior vice president for finance and operations, reported that many factors will have an impact on the next budget proposal to be presented to the Board for consideration. Among operating cost increases that cannot be controlled are state and federal programs such as retirement and social security.

"In 1970-71, Penn State spent $9.2 million of general funds on social security, health care and retirement," Mr. Garban said. "Last year we spent $76.7 million on those three items combined."

For 1992- 93 it is estimated that unavoidable cost increases will amount to nearly $9 million prior to dealing with salaries and program needs.

The main revenue sources available to fund those unavoidable increases, salary increases and program needs, Mr. Garban said, are the state appropriation and tuition.

Merck lectures set

The Merck Company Foundation, the philanthropic arm of Merck & Co., Inc., has awarded $10,000 to the Department of Chemical Engineering to sponsor the Merck Centennial Lecture Series for the 1991-92 academic year.

The first seminar in the series, "Recent Advances in Fermentation Technology," was presented by Barry C. Buckland, senior director of Biochemical Process Research and Development, Merck and Company. Seven additional lectures are scheduled for the spring semester, with topics including the AIDS epidemic, materials research and health effects from exposure to air pollutants.

Penn State is one of only 25 institutions nationwide chosen by The Merck Company Foundation to establish a lecture series for the 1991-92 academic year, as part of the company's 1991 Centennial Grants Program. Merck is celebrating its 100th anniversary by donating a total of $6 million in grants to educational institutions and community organizations around the country.

"Merck is dedicated to innovations in health care and eager to cultivate student interest in engineering and science, particularly when it comes to leading-edge research," says C.R. Hogen, executive director of public affairs, Merck & Co., Inc., and executive vice president of The Merck Company Foundation.

The Merck Company Foundation and Merck & Co., Inc., provide support for the enhancement of educational, community and public policy programs. In 1990, combined company and foundation grants of more than $18 million were made to educational, civic, cultural, health and social service agencies in communities around the world where Merck has major facilities.

Trustee Docket cont.

Program changes

The Board of Trustees has approved the transfer of the athletic training option from the Department of Health Education to the Department of Exercise and Sport Science in the College of Health and Human Development.

The exercise and sports course work is more appropriate in the field of athletic training than health education courses, particularly at the graduate level.

Trustees also learned that a master of science degree in information systems will be offered within the School of Business Administration at Penn State Harrisburg. The new degree, which combines management skills and technical expertise, would meet the rapidly increasing need in the business world for technically grounded, upper-level information resource managers.

A master of arts degree in telecommunications studies will be offered by the School of Communications. The telecommunications studies major would serve as the graduate extension of the undergraduate broadcast/cable major.

Also, the graduate program in veterinary science will be changed to the graduate program in pathobiology in the College of Agricultural Sciences.

The term "pathobiology" better describes research carried out by the University's veterinary science faculty and will assist in recruiting quality graduate students not traditionally associated with agriculture.

In undergraduate education, the option in botany has been changed to the option in plant biology in the Eberly College of Science.

Trustees Emeritus

The Board of Trustees has approved the rank of Trustee Emeritus for former Trustees Howard O. Beaver Jr. and Stanley G. Schaffer in recognition of their loyal and meritorious service to the Board of Trustees.

Mr. Beaver was elected to board for four terms, totaling 12 years, by the state industrial societies from 1978 to 1990. A member of the Executive Committee for seven years, he also served as chair and vice chair of the Committee on Finance and as a member of the Committee on Educational Policy, Committee on Physical Plant, The Milton S. Hershey Medical Center Advisory Committee and the Special Advisory Committees on Affirmative Action and on Development.

Mr. Beaver is a director and retired chairman of Carpenter Technology Corporation in Reading. A 1948 graduate of Penn State, he is a life member of the Alumni Association, a member of the Mount Nittany Society, was a member of the Executive Board of the Alumni Council and was president of the Berks Campus Advisory Board. He received the University's Distinguished Alumni Award in 1991.

Mr. Schaffer was elected to the board by state industrial societies for four terms, totaling 12 years, from 1976 to 1988. A member of the Executive Committee, he also served as chair and vice chair of the Committee on Physical Plant and as a member of the Committee on Educational Policy, Committee on Finance and The Milton S. Hershey Medical Center Advisory Committee.

A former president of the Duquesne Light Company, he is a registered professional engineer in Pennsylvania and a fellow of the American Society of Mechanical Engineers. A 1941 graduate, he was a recipient of the University's Distinguished Alumni Award in 1972, and is a life member of the Alumni Association and a member of the Mount Nittany Society.

Preservation grant awarded to Libraries

The University Libraries has received a grant of $57,000 to microfilm deteriorating volumes in its Pennsylvania history collection. The grant is part of a National Endowment for the Humanities' $1.8 million grant awarded to libraries of the Committee on Institutional Cooperation for preservation projects.

Selected volumes for preservation microfilming are from the Beaver Collection, part of the Libraries' Pennsylvania history collection that consists of Pennsylvania county histories, atlases, and Civil War regimental histories from the 1800s to 1950. Since the establishment of the Beaver Memorial Library Fund in 1917 and the Libraries' acquisition of the private library of General James Adam Beaver in the early 1930s, this collection has developed into one of the strongest Pennsylvania history collections in the state.

Approximately 607 titles representing 800 volumes will be filmed over a three-year period. For more information, contact Penn State's Preservation Librarian, Sue Kellerman at 865-1858.

Shown here are some of the volumes to be microfilmed as part of a preservation project by the University Libraries.

Carpoolers

Diana would like to carpool from Philipsburg to University Park. Her work hours are 7:30 a.m. to 3:30 p.m. Call 865-7623 or 342-3154 (after 4:30 p.m.).

Seeking fourth person with vehicle to drive alternating days in carpool from Philipsburg to State College. Hours are 8 a.m. to 5 p.m. Call Linda at 865-1352 or Lisa at 865-0909.

An employee would like to carpool from Philipsburg to University Park. Work hours are 6:30 a.m. to 3 p.m. Call 342-0253 or 865-2529.

News in Brief

Traffic Alert
Drivers on the University Park Campus should expect delays on Curtin Road in front of the Palmer Museum of Art from Wednesday, Jan. 22 through Wednesday, Jan. 29, while construction workers put up scaffolding.

Leukemia Society Weight-A- Thon
University Health Services is teaming up with the Western Pennsylvania Chapter of the Leukemia Society for the Seventh Annual Leukemia Society Weight-A-Thon.

The Weight-A-Thon, a fundraiser designed to motivate people to get in shape, began Jan. 20 and runs for six weeks through Feb. 28. Participants are asked to obtain sponsors who will pledge money for each pound they hope to gain, lose or maintain.

Posters and brochures are available throughout the Health Service with further details. For more information about the Weight-A-Thon or the Leukemia Society, call 1-800-726-2873.

Weekend enrichment program
The Individual and Family Consultation Center will offer a couples' weekend enrichment program Jan. 25 and 26, at University Park.

The program, called "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is $125 for an individual and $200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

My New Weigh of Life
Space is still available in all sections of My New Weigh of Life, a 12-week nutrition education/lifestyle change program for weight management sponsored by the Faculty/Staff Health Promotion Office and Centre County Cooperative Extension. The first sessions of the program will be held on Monday and Tuesday, Jan. 27 and 28.

Three sections are offered this semester, including an open group (Mondays), women's group (Tuesdays) and men's group (Tuesdays). All groups meet from noon to 1 p.m. at the Penn State Nutrition Center, 417 East Calder Way, State College. The cost of the program is $45.

For registration or additional information, call the Faculty/Staff Health Promotion Office at 865- 3085.

Professional Women to meet
Virginia Eisenstein, an attorney, and Bonnie Ortiz, director of the Affirmative Action Office, will discuss "Sexual Harassment: How to Fight Back" at a brown-bag lunch meeting of Professional Women at Penn State at 11:45 a.m. Tuesday, Jan. 28, in the Frizzell Room of the Eisenhower Chapel at University Park.

Ms. Eisenstein, a graduate of Yale law school, will discuss how to get evidence and Ms. Ortiz will discuss how the University can help victims of sexual harassment.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

Returning adult program
The Returning Adult Student Center is sponsoring a program titled "Strategies for Academic Success" at 12:30 p.m. Tuesday, Jan. 28, in 329 Boucke Building at University Park.

The focus of the program, to be presented by Ann McLaren of the Learning Assistance Center, will be on: overview of tutoring and other academic support services; classroom strategies (study groups, networking with other students, and techniques to approach faculty); availability of employment opportunities as a tutor.

To register, call the Returning Adult Student Center at 863-3887. Reservations will be accepted on a first-come, first-serve basis.

Evening child care
Child Care Program Services in the Office of Human Resources, in collaboration with Child Development and Family Council, will be offering evening child care for children of faculty, staff, and student parents in the Cedar Building at University Park during Spring Semester.

Services will be offered from 6 to 9:30 p.m. Monday, Wednesday, and Friday for children ages 3-12 years. Reservations are required and must be submitted no later than the Friday before service is needed.

To register, call 865-5886 (do not contact the Cedar Building). Cost for students is $1 per hour and for faculty/staff $2 per hour for each child.

Health benefits program
The Penn State Chapter of Educational Office Personnel will present a program about Penn State Health Benefits– Healthpass/Plan A-Prudential at 12:10 p.m. Thursday, Jan. 30, in 256 Hammond Building at University Park.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, staff non-exempt, clerical and technical services. It is affiliated with the Pennsylvania Association of Educational Secretaries and The National Association of Educational Office Personnel. One does not have to be a member to attend the program meetings.

Science writers
Rustum Roy, Evan Pugh professor of the solid state, will lead a lunchtime roundtable sponsored by the Penn State Chapter of the National Association of Science Writers, at 11:45 a.m. Wednesday, Jan. 29, in Room 313 Kern Building at University Park.

Dr. Roy will lead a discussion of "The 10 Commandments for Science Writers."

The Penn State Chapter of the National Association of Science Writers meets for lunch and discussion on the last Wednesday of each month during the academic year. The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

President Thomas reports to the board

Space issues central to academic concerns

Editor's note: The following are remarks made to the University Board of Trustees by President Thomas on Friday, Jan. 17.

Our meeting today addressed issues of critical importance to the future well-being of Penn State.

At this first meeting of the New Year, it seems appropriate to focus on that future in terms of the agenda I've put forth and the steps taken within the last year to enable us to move that agenda forward.

As I noted in my April address at University Park, the 1990s find Penn State a healthy university, a university of quality, of influence, and promise. I also noted in April that Penn State is faced with serious fiscal problems that extend statewide and indeed nationally, serious space problems, and serious tuition concern and resistance. The discussion at the Committee on Finance this afternoon certainly underlined that point.

The fact that the Governor has communicated directly with the heads of the various state agencies in Pennsylvania regarding projected revenue shortfalls for the coming fiscal year is sobering, and underscores the seriousness of the work at hand.

Experienced team leads Penn State

Looking down the road last April, I said that despite the difficulties that were obvious, my agenda for Penn State was forward looking, characterized by optimism, and appropriate for this university in the 1990s. I have not changed my outlook.

Despite the difficulties, the last year has been a year of progress for Penn State. The actions taken will have a positive influence for years to come.

Among those actions is the selection, appointment, and approval by the Board of a new administrative team. The Board prepared me for the need to put together a new leadership team in the interview process and, indeed, we have that team in place with the following key additions:

- Executive Vice President and Provost **John Brighton**.
- Senior Vice President for the Commonwealth Educational System and Dean **Robert Dunham**.
- Senior Vice President for Research and Dean of the Graduate School **David Shirley** (who was on campus this month preparing for his March 1 arrival and who will be returning early next month for a similar session).
- Special Assistant to the President for Governmental Affairs **David Schuckers**, who, as you know, was appointed effective Jan. 1 of this year.

All of these individuals are results-oriented performers, used to making progress in challenging times. Perhaps more importantly, they all are characterized by optimism. They are just the kind of leaders Penn State needs in the 1990s and I am very pleased that they have joined the other men and women who work with me regularly to move this university forward.

Creation of space is high priority

Many of you will recall that space — or the lack thereof — emerged as the central urgent problem when I consulted with this University community in the initial months of my appointment. I promised to make it a high priority and — with the help of this Board — much has been put in place to address the space problem since that time.

We have in place a five-year plan for new and improved facilities. A number already are under construction and include:

- the new classroom building;
- the addition to the Palmer Museum of Art;
- the Nittany Lion Inn expansion, literally just being completed.

A number of other projects will soon be under way and include:

- a new music building, for which the architect was appointed at this meeting;
- the Mateer Building for the College of Health and Human Development;
- a joint Engineering/Earth and Mineral Sciences building to be located on the west side of Atherton Street.

In addition, construction of a new building for the Applied Research Laboratory will begin soon.

By late 1994 or early 1995, we expect to have completed the Convocation and Events Center as well as the initial elements of the Research Park. These are the hotel and conference center, the research building, and the technology center.

One of the most important aspects of the new construction is the space it will open up for other uses. We can and must use this space to alleviate the overcrowding created by our recent successes.

We are able to point proudly to this progress because of a combination of funding sources that range from state capital funds to private dollars, to funds generated by university bonds, where income sources can be identified. We are hard at work to secure the release of state funds for the Pattee Library expansion, the library at Penn State Harrisburg, and many others. If I have learned one thing at Penn State, it is that you have to be persistent. We have to push, press, and shift, until we progress. And that is precisely why I am able to report such progress to you today in the difficult fiscal environment which surrounds us. This success, as you know, is repeated in efforts at our Commonwealth Campuses and splendidly so in our College of Medicine's Campaign to support the Biomedical Research Building at Hershey. Hershey, as you know, is poised to take a giant step in biomedical research, as well as in service, with this marvelous new facility.

High on the agenda: opportunities for women and minorities

Moving on from facilities, I want to say that creating opportunities for women and minorities throughout the University continues to be high on the agenda I embrace for Penn State. We have a long-term commitment and I'm absolutely convinced that the Board shares this commitment.

Key areas where the University is moving ahead:

- ❒ **New administrative leadership**
- ❒ **Progress expanding physical facilities**
- ❒ **Continued commitment and progress in areas of women and minorities**
- ❒ **Reexamination of undergraduate education and research**
- ❒ **Increased admissions efforts**
- ❒ **Increasing international role**

Dr. Brighton's encouraging report on minority enrollments in November reflects progress on that front. A report developed by Administrative Fellow, Dr. Cathy Lyons, for the Pennsylvania Legislative Black Caucus also has a positive story to tell. This is a challenging area, but one we are in for the long term and one in which we must "improve continuously." Our most recent progress in this area is the upcoming expansion of the Penn State Educational Partnership Program on the New Kensington Campus. This will in the 1993-94 academic year join similar programs at Penn State Berks, Penn State McKeesport, and the Behrend College in Erie.

Addressing undergraduate needs

In the area of progress, I would also like call to your attention to the recent appointment of the Commission on Undergraduate Education. I anticipate that this commission — headed by **Madlyn Hanes**, director of academic affairs at Penn State Delaware County — will be active for approximately the next four years. I have asked the members of the commission to serve as a balanced and action-oriented group. Early attention will be given to the outcomes assessment. As Dr. Hanes knows, faculty involvement will be critical to our success in this area. I expect that we will have

See 'Space Issues' on Page 7.

Space issues

Continued from Page 6.

accomplished most, if not all, of the improvements we have outlined four or five years hence.

Let me add parenthetically here that Vice Provost and Dean for Undergraduate Education Greg Knight reports that two of our undergraduate students have advanced this year to the interview stage in the Truman Scholar Program. This is very encouraging in that last year no students from the public sector reached the interview stage. Whether our students are successful in the final competition or not, they already have distinguished themselves and, I'm sure, learned valuable lessons about leadership. The broad matter of improving the very strong undergraduate program under way at Penn State will remain high on the agenda during my tenure as president. In that process, we will — as noted before here and many times elsewhere — continue our commitment to high quality research. Obviously, Dr. Shirley would not have joined us at Penn State in his central role were he persuaded otherwise. To underscore that point, let me note that Dr. Hosler this week reported a 30 percent increase in research grants and contracts for the first six months of the current academic year. That tremendous growth corrects a slight decrease earlier this year and keeps the trendline for Penn State very, very positive.

Academic quality seen as primary initiative

I also want to mention the other commission that I created, the Commission on Inter-Campus Issues, a group named in October. There are a variety of serious issues facing this Commission. It was my early conviction that dialogue among the deans, campus executive officers, and others was necessary to address these. We are looking for ways to increase still further efficiencies and effectiveness at our campuses in a manner that puts academic quality at the very highest priority. Senior Vice President Dunham has said that he will not feel successful if the campuses are the same as they are today in five years, so we know where his commitment is ... and it is one I believe important to Penn State's future. We will be sharing more with you on the work coming forward from these commissions as time goes by.

Recruitment to focus on Commonwealth Campuses

I want, too, to call your attention to the data the Office of Budget and Resource Analysis compiles on the number of Pennsylvania High School graduates. The continuing decline in the number of these graduates should come as no surprise to you. Dr. Brighton noted this in his report to you in November. Concerns about this last spring led me to appoint a small group to develop a marketing plan to recruit and retain undergraduate students. That group reported in July and made the following recommendations:

- First, that a University Marketing Advisory Council should be appointed.
- Second, that the primary focus should be initially on the Commonwealth Campuses.
- And third, that a marketing unit should be formed within the University Admissions Office, and a marketing director recruited.

Action has been taken on all three recommendations. I appointed a University Marketing Advisory Council in September. Following up on the recommendation that the initial focus be on the Commonwealth Campuses, Bob Dunham was appointed Chair of the Council. The group is setting priorities and goals for marketing and recruitment and coordinating the various marketing and recruitment activities of individual units. A search for a marketing director is under way. We expect that these efforts, ultimately, will result in a coordinated and research-driven marketing plan which can be targeted in an effective way to each of our campuses.

We also can find continuing comfort in the outstanding leadership in Penn State's Office of Development and University Relations. This division is hard driving and hard working and continues to bring in millions of dollars of private support even in the present difficult economy. I can tell you that raising money in good times is work; in difficult times it is very hard work. Dave Gearhart this week reported to me a record-breaking $10 million month. That will make up, we hope, for certain declines in the area of corporate giving, again tied to the economy.

Penn State's role in the Big 10

I am pleased to note that Penn State's involvement with the academic components of our membership in the Big Ten Conference continues to grow. We have, for example, very recently joined the Midwest Consortium for International Activities, Inc. We are the ninth member of the Big Ten to join this prestigious group. Our membership in MUCIA will give us a stronger base for building our international programs to prepare our students to participate fully in our increasingly global society.

I've reported the bringing together of new administrative leadership at Penn State; desperately needed and very welcome progress in physical facilities; continuing commitment and progress in the area of women and minorities; progress in the areas of undergraduate education and research; progress on dealing with the ambiguities in the Commonwealth Educational System; in dealing with the programs initiated to improve continuously our admissions efforts; in our continued leadership in development and university relations; and in our increasing role in the international arena.

Missing link: the Legislature

The critical missing piece in my capsuled report today deals with the legislature. We spent a great deal of time earlier today discussing our need for increased funding from the state. It is obviously difficult to make the desired progress here in the current fiscal situation. We know we need to be more effective at the grass roots level. Dave Schuckers and Bob Dunham and others are hard at work in this area. This is progress not to be overlooked. It is difficult to evaluate progress when there is not much money to be had. But we must and we will be more effective at the grass roots: others are becoming active in this area—an area in which we must show progress.

Summary

In summary, I hope you will share my enthusiasm for the accomplishments of the last year and my optimism for the future. This is a university with a remarkable history of succeeding in difficult times. We can continue on that path if we remain committed and so long as we remain focused on quality and the opportunities before us.

Thank you for the privilege of sharing in that great work.

New classroom building under construction at University Park. (Photo: Greg Grieco)

Focus on the Arts

Pattee exhibit

"Vision Caressing Emotion," a watercolor collage exhibition by Rose Lucas is being held in Pattee Library's Lending Services Gallery until Feb. 29.

In her work, the artist explores the delicate manifestations of nature and seeks to evoke human emotion through a minimum of visual landscaping. The process involves a hands-off approach in pigment dispersal.

Ms. Lucas graduated from Portland State University, Oregon, in 1985 with a B.S. in drawing. Her interests have centered around such artists as Helen Frankenthaler, Wassily Kandinsky, Henri Matisse, and the color field painters.

Music lecture series

Wye Allanbrook, professor of musicology at St. John's College, Hagerstown, Md., will present "Mozart and Expression: The Quartets Dedicated to Haydn," at 2:30 p.m. Friday, Jan. 31, in the School of Music Recital Hall at University Park.

Wye Allanbrook

The lecture, last in the "Music Today: 1991-92" series, is sponsored by the School of Music and the Institute for the Arts and Humanistic Studies.

The lecture is free to the public.

Oil paintings

"Saudi Arabia — Tradition House," an exhibition of oil paintings by Fawaz F. Abunayyan, is being held in Pattee Library's West Lobby Gallery until Feb. 29.

Mr. Abunayyan's oil paintings depict the distinct, regional architectural styles, defined over the past one hundred years, of houses in Saudi Arabia. The buildings are made of unfired mud-brick and wooden beamed roofs with palm matting or twigs covered with mud-plaster for insulation.

The houses are usually built around a central courtyard with only a few openings to the street to insure privacy.

In Riyadh, Saudi Arabia, Mr. Abunayyan taught art in the elementary and secondary schools for twelve years and taught a course at King Saud University where he received his bachelor of education degree. In 1989, he received his master of arts in art education from Ohio University in Athens. Presently, he is a graduate student in the Art Education Department at Penn State working towards a Ph.D.

Rare Books Room exhibit

An exhibit of antebellum southern humor is on display in the Rare Books Room in Pattee Library through March 6.

Also known as humor of the old Southwest, this subgenre flourished during the period 1835-1860 and influenced such later writers as Mark Twain and William Faulkner. Rough and frequently bawdy, this writing constitutes one of the earliest forms of realistic literature in America.

Included in the exhibit are A.B. Longstreet's Georgia Scenes, J.J. Hooper's Simon Suggs, and G.W. Harris' Sut Lovingood. Most of the items in the exhibit are from the collection of James L.W. West III, professor of English and Fellow of the Institute for the Arts and Humanistic Studies.

Odyssey on WPSU

Belgian writers Guy Vaes and Georges Rodenbach give places the dignity and importance of human beings, notes Philip Mosely on the next episode of Odyssey Through Literature.

Dr. Mosely, assistant professor of English and comparative literature at the Penn State Worthington Scranton Campus, was raised across the English Channel from Belgium, but a chance encounter with a private writer's club, the Chamber of the Image Makers, turned him into a translator and scholar of Belgian literature.

In "The Image Makers' Chamber," he introduces host Leonard Rubinstein, professor emeritus of English, to Vaes' Les Cimetieres de Londres and Rodenbach's Bruges La Morte.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Low Brass Studio

Members of the Low Brass Studio, directed by Mark Lusk of the School of Music faculty, will perform in concert at 12:10 p.m. Thursday, Jan. 23, in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include transcribed and original chamber music performed by quartets of trombone, euphonium and tuba majors from the School of Music.

The low brass chamber music groups are coached by Scott Slutter and Joseph Skillen, graduate students in the School of Music.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

The arts on Channel 3

Masterpiece Theatre presents "And a Nightingale Sang" airing at 9 p.m. Sunday, Jan. 25. Set in working-class Newcastle, this adaptation of C.P. Taylor's play is the story of a family of hard-working English eccentrics during World War II.

The story of three men of genius, vision, determination, and fascinating complexity, whose lives were stranger and more dramatic than anything heard on the medium they created, is told on Empire of the Air: The Men Who Made Radio. The new documentary by Ken Burns, narrated by Jason Robards, airs at 9 p.m. Wednesday, Jan. 29.

Based on a book of the same name by Tom Lewis, the documentary spans 1906 to 1955, when television came into its own. The program will combine recently discovered archival materials and newsreels of the period with a soundtrack of songs from the Golden Age of radio presented against the backstage drama taking place.

Tenor to perform

Tenor Richard Kennedy, assistant professor of music, will perform in concert at 8 p.m. Wednesday, Feb. 5, in the School of Music Recital Hall at University Park.

Professor Kennedy will perform one of Franz Schubert's major song cycles, "Die schone Mullerin" (The Beautiful Maid of the Mill). The songs, set to poems of Wilhelm Muller, tell the story of a young man who falls in love with a miller's daughter, only to discover that she loves someone else. Typical of German Romantic poetry, the story ends tragically.

He will be accompanied by Betty Bullock, a professional pianist from Washington, D.C. They have given recitals together at the British Embassy, in Canada and in North Carolina.

The concert is free to the public.

Museum exhibit

"The Art of American Livestock Breeding," an exhibition covering 200 years of painting, will open Feb. 7 and run through March 29, in the Palmer Museum of Art at University Park.

The exhibition was organized by The American Minor Breeds Conservancy with help from the National Agricultural Library and the College of Agricultural Sciences.

"Saudi Arabia -- Tradition House," an exhibition of oil paintings by Fawaz F. Abunayyan, is being held in Pattee Library's west Lobby Gallery until Feb. 29.

Curated by John Dawes, an Angus breeder from Alexandria, the exhibition captures American farmers' interest in documenting prize-winning livestock and domesticated farm animals. It also highlights the concerns of the AMBC by drawing attention to endangered livestock in order to preserve those animals facing extinction.

Paintings in the exhibition are on loan from the National Agricultural Library, Penn State and numerous private collections, and include works by such noted painters as Jamie Wyeth, Frederick Noelle and Rosa and Raimond Bonheur.

The exhibition is free to the public. The Palmer Museum of Art is open 10 a.m. to 4:30 p.m. Tuesday through Friday and 11 a.m. to 4:30 p.m. Saturday.

Undergraduate recital

Eight undergraduates in the School of Music will perform in concert at the jury recognition recital at 8 p.m. Monday, Jan. 27, in the Music Building Recital Hall at University Park.

The concert is free to the public.

Recital scheduled

A recital in memory of Eugenio Battisti featuring Italian songs from the 16th to early 20th century will be held at 7:30 p.m. Friday, Feb. 7, in the HUB Gallery Lounge at University Park.

Professor Battisti was an Even Pugh professor of art history, member of the Institute for the Arts and Humanistic Studies and taught from 1965 to 1985. He held

See 'Arts' on Page 10.

University Park Calendar

January 23 - February 2

Special Events

Thursday, January 23

■ Fulbright Informal Lecture Series, 3:30-4:30 p.m., International Lounge, 222 Boucke. Harold Cheatham, professor of education and 1990 Fulbright scholar to India, on "Affirmative Action in India and the U.S."

Friday, January 24

Shaver's Creek, 9-11 p.m., Adult Owl Prowl. Call 863-2000.

Saturday, January 25

Faculty Development Workshop, 9 a.m.-noon, 114 Kern. Harold Cheatham, on "Promotion and Tenure". Call Leah Witzig, 863-1663.

Shaver's Creek, 2-3:30 p.m., Insects in Their Snuggies; 7-8 p.m., Out of Kenya. Call 863-2000.

School of Music, 8 p.m., Recital Hall. Kim Cook, cello.

Sunday, January 26

Shaver's Creek, 2-4 p.m., Making Herbal Salves. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., Bad Timing: A Sensual Obsession (1980); 9:15 p.m., The Palm Beach Story (1942), Carnegie Cinema. Free.

Monday, January 27

"Fresh Start Smoking Cessation" program, (first of 4 sessions), noon-1 p.m., 110 Henderson. Also "My New Weigh of Life" (open group), (first of 12 weeks), noon-1 p.m., Nutrition Center. Call faculty/staff health promotion office, 5-3085.

Tuesday, January 28

Brown Bag Lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Virginia Eisenstein and Bonnie Ortiz on "Sexual Harassment: How to Fight Back."

"My New Weigh of Life" (women's and men's groups), (first of 12 weeks), noon-1 p.m., Nutrition Center. Call Faculty/Staff Health Promotion Office, 5-3085.

Returning Adult Student Center, 12:30-1:30 p.m., 329 Boucke. Ann McLaren on "Overview of Tutoring and Other Academic Support Services," "Discuss Classroom Strategies" (study groups, networking with other students, and techniques to approach faculty), and "Availability of Employment Opportunities as a Tutor". Register, 863-3887.

Wednesday, January 29

Penn State Chapter of the National Association of Science Writers, roundtable, 11:45 a.m., 313 Kern. Rustum Roy on "The 10 Commandments for Science Writers."

"Weight Watchers AT WORK" (third of 10 weeks), noon to 1 p.m., Paul Robeson Cultural Center. Call Faculty/Staff Health Promotion Office, 5-3085.

Thursday, January 30

Penn State Chapter of Educational Office Personnel invites you to attend a program about Penn State Health Benefits—Healthpass/Plan—Prudential, 12:10-12:50 p.m., 256 Hammond.

Friday, January 31

School of Music, "Music Today, 1991-92", 2:30 p.m., Recital Hall. "Mozart and Expression: The Quartets Dedicated to Haydn."

Shaver's Creek, 7-9 p.m., Tales From the Cold. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Puccini's "Tosca" N.Y.C. Opera National Co.

Saturday, February 1

Shaver's Creek, 1-2:30 p.m., Animals in Winter. Call 863-2000.

Sunday, February 2

Shaver's Creek, 2-5 p.m., Quilting for Beginners. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., El Sur (The South) (1983); 8:45 p.m., Detour (1945), Carnegie Cinema. Free.

School of Music, 8 p.m., Recital Hall. Steven Smith, piano.

"The Art of American Livestock," an exhibition covering 200 years of painting, opens Feb. 7 and runs through March 29, in the Palmer Museum of Art.

Public Radio

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building

Jan. 25. Greek Leadership Conference. Pamela Selfe, chair; Bill Stemer.

Seminars

Thursday, January 23

Gerontology Colloquium, 4 p.m., 106 Mitchell. A.L. Mina Bergem, Univ. of Oslo, Norway.

Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Neil D. Jones, Univ. of Copenhagen, on "A Self-Applicable Partial Evaluator for the Lambda Calculus."

Friday, January 24

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Mike B. Daniels on "Subsurface Flow Patterns Beneath a Surface Trench in a Fragipan Soil."

Tuesday, January 28

Inorganic-Organic, 12:15 p.m., 55 Osmond Lab. Richard Pagliery on "Acyclic Diene Metathesis Polymerization."

Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Peter T. Cummings, Univ. of Delaware, on "Molecular Simulation of Transport Phenomena and Polymer Rheology."

Thursday, January 30

Gerontology Colloquium, 4 p.m., 106 Mitchell. Lynn Kozlowski on "Cigarette Smoking and Aging."

Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Ralph Droms, Bucknell Univ., on "Automated Configuration of Internet Hosts."

Friday, January 31

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Stephen Cartier on "Photo-Initiated Reactions in Weakly Bound Complexes."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Robert D. Minard on "Applications of Mass Spectrometry to Pesticide Transformation Studies."

Exhibits

Chambers Gallery

"Undergraduate Paintings and Sculpture," through Feb. 28.

Pattee Library

Main Lobby:

"Penn State's Presidential Families," through Feb. 29.

Main Lobby and African American Studies Room:

"Martin Luther King: The Civil Rights Movement," through Jan. 31.

East Corridor Gallery:

"Still Jazzin," Cliff Jernigan photography exhibition, through Jan. 31.

West Lobby:

■ "Saudi Arabia—Tradition House," Fawaz F. Abunayyan oil paintings exhibition, through Feb. 29.

Rare Books Room:

An exhibit of antebellum southern humor, through March 6.

Lending Services Gallery:

"Vision Caressing Emotion," Rose Lucas watercolor collage exhibition, through Feb. 29.

Zoller Gallery

"The Tactile Vessel—New Basket Forms," an exhibition of contemporary American baskets on loan from the Erie Art Museum, through Feb. 23.

Tips

Information Penn State

Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an International perspective

Ethical issues need careful attention from University personnel

Editor's Note: This is the third of four articles highlighting changes and important issues contained in the new "Intellectual Property, Technology Transfer and Entrepreneurial Activity Policies and Procedures" document. The articles were prepared by members of the Intellectual Property and Entrepreneurial Activities Committee, a subcommittee of the Administrative Committee on Research (ACOR).

Ethical Issues

The following excerpt from the University Policies Governing Technology Transfer and Entrepreneurial Activities, approved by the Board of Trustees in July 1990, concerns ethical issues related to University personnel.

■ Cognizant University administrators (deans, department heads, etc.) should be informed of and evaluate faculty involvement in commercial and not-for-profit enterprises which grow out of one's University employment.

■ Use of University facilities as well as involvement of human resources (particularly students and staff) to benefit a private individual, organization, or commercial enterprise should be approved in writing prior to their use.

■ Cooperative agreements with external organizations should not contain limitations or extended delays (more than six months) on open publication.

■ University employees should not impede the progress of students toward their degrees under any circumstances through employment by external organizations, undue publication delays, or in any other matter not directly related to degree requirements.

■ Faculty companies can offer opportunities for technology transfer; scholarly work, however, should be accomplished as part of University employment.

■ University personnel must disclose to the University intellectual property developed within the scope of their employment and/or in their field of expertise for which they are employed by the University.

■ Copyrights of literary, scholarly, and artistic works belong to the creator (in the absence of contractual restrictions); however, copyrights on research or survey instruments, instructional materials, and computer software created on University time are owned by the University.

■ Consultation with the cognizant University administration prior to action is recommended to avoid unethical behavior (or the appearance of unethical behavior).

Arts

Continued from Page 8.

teaching positions at Italian universities, including professor of architecture at the University of Rome.

The center of his work was the art of the late Middle Ages and Renaissance with major studies on Giotto, Cimabue, Brunelleschi, and Piero della Francesca. Chief among his books is Antirinascimento, a study of the lesser known aspects of the Renaissance, recently reissued with an extensive bibliography.

Arts at...

Delaware County

The Friends of The Tim Mark Endowment of Penn State Delaware County Campus will host the premier exhibit of paintings by Russian artist Tatyana Zorina from Jan. 19 through Feb. 20 in the campus library.

The public is invited to meet the artist during a reception in the library on Sunday, Jan. 19 from 1 p.m. to 4 p.m. The exhibit is open during regular library hours on weekdays: Monday through Thursday, 8 a.m. to 9 p.m. and Friday, 8 a.m. to 4:30 p.m.

The exhibit includes four oils and 10 watercolors, some with tempera. A fifth oil, "The Tsar's Toys," on loan from the collection of Gary Rowland of Washington, D.C., will be exhibited only during the reception.

Trustees select eight for Distinguished Alumni Award

The Board of Trustees has selected eight Penn State alumni to receive the University's highest award for an individual, the Distinguished Alumni Award.

The 1992 Distinguished Alumni, year or years of graduation, current title and residence, are:

– **Lawrence Abrams**, 1961, dean of the College of Allied Health Sciences and vice president for student affairs at Thomas Jefferson University, Bala Cynwyd;

– **Harold H. Benjamin**, 1947, founder, executive director and board member of the Wellness Community, Santa Monica, Calif.;

– **Jyung-oock Choe**, 1960 (graduate degree), president of Obong International Inc., Seoul, Korea;

– **David McArthur Joyner**, 1972 and 1976 (graduate degree), an orthopedic surgeon with Orthopedic Surgeons Ltd., Hummelstown;

– **L. Robert Kimball**, 1947, founder, president and owner of L. Robert Kimball and Associates, Ebensburg;

– **Avanelle Kirksey**, 1961 (graduate degree), the Meredith Distinguished Professor of Foods and Nutrition at Purdue University, West Lafayette, Ind.;

– **John T. Steimer**, 1949, retired president of Penn Glenn Oil Company and Industrial Terminal Systems Inc., Tidioute;

– **Lt. Gen. John Yeosock**, 1959, of the Third U.S. Army, Atlanta, Ga.

The Distinguished Alumni Award was established in 1951 to honor Penn State alumni who have made outstanding contributions to their professions and community service.

– **Lawrence Abrams** has built the College of Allied Health Sciences at Thomas Jefferson University into a nationally prominent school in the fields of allied health. He has devoted more than 20 years to improving the caliber of education and clinical preparation for allied health professionals nationwide.

– **Harold Benjamin** retired from his thriving law practice to devote his energies to the operation of The Wellness Community, a non-profit organization that focuses on the spiritual and psychological needs of people with cancer and other serious illnesses. Today, the community is a national prototype for bringing the community aspect into total patient care.

He received a bachelor's degree in arts and letters in 1947 from the College of the Liberal Arts. A life member of the Penn State Alumni Association, he received the Service to Society Award from the college and the Liberal Arts Alumni Society.

– **Jyung-oock Choe**, who received a master's degree in ceramic science from Penn State in 1960, was prominent in establishing the Ssangyong Cement Co. Ltd and developing it into one of the world's leading cement producers. Since 1981, he has been president of Obong International Inc.

– **David McArthur Joyner, M.D.**, of Hummelstown will be the chief physician for the U.S. Olympic Team during the winter games. He has served in 1985 as the physician at the U.S. Olympic Training Center and at the 1987 Pan American Games and as head physician at the 1989 U.S. Olympic Festival in Oklahoma City, Okla. He also was the medical director for the World University Games in 1991.

– **L. Robert Kimball** of Ebensburg, who received a bachelor's degree in civil engineering in 1947, has built the largest sole-proprietorship architectural and engineering firm in the country, employing more than 550 in Pennsylvania and nine regional offices from New Jersey to Florida.

Named an Alumni Fellow by the University in 1991, Mr. Kimball received the Outstanding Engineering Alumnus Award.

– **Avanelle Kirksey**, who received her Ph.D. in nutrition from Penn State in 1961, has gained international recognition for her research on the critical role of Vitamin B6 in maternal nutrition during pregnancy and in the development of the nervous system. Her research has helped improve the quality of life in developing nations, and it had significant impact on infant nutrition in the United States.

– **John T. Steimer** of Tidioute, who received a bachelor's degree in forestry in 1949, is retired president of Industrial Terminal Systems Inc. of New Kensington, a provider of packaging and general warehousing services to commercial concerns in the eastern United States. He also served as president of Penn Glenn Oil Works Inc.

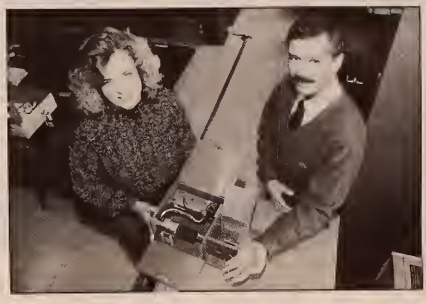
A life member of the Penn State Alumni Association, he is a member of the Mount Nittany Society, the Nittany Lion Club, the National Development Council and the Department of Forestry Advisory Board in the College of Agricultural Sciences.

– **Lt. Gen. John Yeosock**, a 1959 graduate in industrial engineering, is commanding general of the U.S. Third Army, and deputy commanding general of FORCES Command (FORSCOM), which is the largest of all commands in the U.S. Army. The command includes 12 countries in the Middle East, the Persian Gulf and the Horn of Africa.

In 1980, Yeosock received the Outstanding Engineering Alumni Award from the College of Engineering.

Focus on Research

Red squirrel population gets hand from researchers



Carolyn Mahan and Richard Yahner display the device they hope will help save Arizona's red squirrels.

This tiny, cable-tie collar will help wildlife personnel keep track of the red squirrel. (Photos by Greg Grieco)

University researchers are working to save a red squirrel subspecies from extinction in Arizona, where only 250 of the mammals are known to exist.

The Mount Graham squirrel, currently the center of heated debate, is found only in southeast Arizona in the Pinaleno Mountains of the Coronado National Forest.

A proposed plan by the University of Arizona to construct three telescopes atop the 10,700-foot peak of Mount Graham poses a threat to the small animal. The U.S. Fish and Wildlife Service has stepped in and mandated the protection of the Mount Graham red squirrels — now on the federal endangered species list.

"They asked for help and we're answering," says **Richard H. Yahner**, professor of wildlife management. He and graduate assistant **Carolyn Mahan** helped develop a collaring device to monitor the animals.

Because the Mount Graham red squirrel is highly susceptible to handling death, Dr. Yahner and his team responded to a request from the institution to invent a safe, effective method for monitoring the endangered animals.

Using a more abundant eastern subspecies of the red squirrel as a model, the researchers designed collaring devices that do not require humans to touch the animals in order to mark them. Laboratory test results concluded that the collaring apparatus has no physical or behavioral effects on the animals.

The marking device, designed with the help of the Forest Resources Lab — research assistant, **Lee Stover**, in particular — is about the size of a shoe box and can be used in conjunction with live traps. A round opening slightly larger than the skull measurement of a red squirrel is cut out of the side and beyond that, peanut butter bait is positioned carefully on a spring-loaded plastic strip. When the spring is touched off, it releases a flexible, fluorescent, cable-tie collar that snaps around the animal's neck. The device may be modified to accommodate other species of mammals.

Ms. Mahan explains that the dimensions of the opening are large enough to allow the red squirrel to quickly remove its head after being collared, yet small enough to preclude other species of squirrels from reaching the bait and touching off the device. When used in connection with a live trap, researchers can monitor the accuracy of the collaring device and release nontarget animals. The collars can be spotted with binoculars from as far away as 35 yards.

"We've been working with our red squirrels here to see how they react to the collars," Ms. Mahan says. "We videotaped them before and after they were collared, and continued to monitor them to make sure the collar was causing no physical or behavioral irritation to the animals.

"No one knows exactly why the Mount Graham red squirrel is so susceptible to capture death. We suspect the Mount Graham squirrels go into a state of shock, something like hypoglycemic shock, when held by humans," she says.

Hypoglycemic shock occurs when there is an abnormal decrease of sugar in the blood. This low blood sugar level combined with the stress of capture may be causing the fatalities.

Much like the plight of the endangered Northern spotted owl, the Mount Graham red squirrel population only thrives in a specific habitat. The boreal forest of coniferous trees on Mount Graham is home to the imperiled subspecies that feeds on the cone seeds the trees produce.

Dr. Yahner, who has long studied the habits and social behaviors of chipmunks and squirrels, says the Arizona red squirrel population has remained sequestered in this forest area just 70 miles northeast of Tucson since the last glacial movement about 11,000 years ago. Mount Graham squirrels are geographically isolated from their closest relative by nearly 100 miles.

"It's imperative that we work to save this population. The disappearance of any animal is unnecessary and historically there are some subspecies of squirrels, like the Delmarva fox squirrel, that are disappearing from certain areas and may never be seen again," says Dr. Yahner.

Dr. Yahner and Ms. Mahan say preserving squirrels is particularly important not only from a historical perspective, but also from an aesthetic standpoint.

"The squirrel is a very visible part of nature. Sometimes it's the only wild mammal seen by urban children. They also offer us the opportunity to look at long-term changes in land use and their implications to all wildlife," says Dr. Yahner.

— **Lisa Rosellini**

Penn Staters

Robert Bernheim, professor of chemistry, presented an invited lecture, "Experimental Tests of Ab Initio Theory of Molecular Structure," at the 16th Congress of Atomic and Molecular Physics of the Consiglio Nationale della Ricerche, University of Siena, Siena, Italy.

Rita Ciresi, feature news writer in the College of Agricultural Sciences, won the Flannery O'Connor Award for Short Fiction, an annual contest sponsored by The University of Georgia Press. Her manuscript of short stories, Mother Rocket, will be published in the spring of 1993 by the press.

John T. Harwood, associate professor of English, presented an invited paper, "Writing Science and Science Writing: Robert Boyle and Rhetorical Theory," at the Stalbridge Boyle Symposium, sponsored by the Foundation for Intellectual History, in Stalbridge, England.

Shirley Hendrick, assistant dean for continuing education in The Smeal College of Business Administration, has been named chair of the International Continuing Education Committee of the Association for Continuing Higher Education.

W. Larry Kenney, associate professor of applied physiology in the College of Health and Human Development, presented papers at the International Symposium on Clothing Studies at Mt. Fuji, Japan, and at the International Conference on Human-Environment System in Tokyo, Japan.

Iam-Choon Khoo, professor of electrical engineering, presented an invited paper on "Unusual Nonlinear Optics of Liquid Crystals Near a Phase Transition Temperature," at the International Conference on Lasers '92.

Philip A. Klein, professor of economics, spoke on "Monitoring Economic Activity in Newly Privatized Economies: Statistical Targets for Eastern Europe" at the 20th Center for International Research on Economic Tendency Surveys (CIRET) conference in Budapest, Hungary.

Gary L. Messing, director of the Center for Particle Science and Engineering, presented a paper titled "Synthesis of Advanced Ceramic Powders" at the 4th International Ceramitec Symposium in Munich, Germany. He also gave a paper titled "Ceramic Nanoparticle Synthesis by Spray Pyrolysis" at the 2nd European Ceramic Society meeting in Augsburg, Germany.

Carlo G. Pantano, professor of materials science and engineering, presented a paper titled "Surface Chemistry of Multicomponent Silicate Gels and Glasses" at the 6th International Workshop on Glasses and Ceramics from Gels in Seville, Spain.

Anne C. Petersen, dean of the College of Health and Human Development, has been named to a four-year term on the National Advisory Child Health and Human Development Council.

Anna Marie Thigpen, lecturer in English, received a grant from the Florida Council of the Arts and the University of Florida to write a catalog and co-curate an exhibit on "The Great American Lawnscape," to run from Feb. 21 through March 22, at the University of Florida Gallery.

Bookshelf

Derrill M. Kerrick, professor of petrology, is editor and chapter author of Contact Metamorphism, Volume 26 in the series *Reviews in Mineralogy*, published by the Mineralogical Society of America

The volume's 14 chapters review current knowledge of contact metamorphism and explore avenues for future research. Emphasis is given to analysis of contact metamorphism from the standpoint of igneous and metamorphic petrology, geochemistry, thermal modeling, and structural geology.

Dr. Kerrick provides an overview of the topic in the initial chapter and was author with A.C. Lasaga (Yale) and graduate student S.P. Raeburn of a chapter on "Kinetics of Heterogeneous Reactions". A chapter on "Modelling Thermal Regimes" was contributed by **Kevin P. Furlong**, professor of geosciences, with R.B. Hanson (Science) and graduate student J.R. Bowers.

The book was prepared for a short course on "Contact Metamorphism", organized by Dr. Kerrick and presented prior to the fall meeting of the Geological Society.

Manfred Kroger, professor of food science, is co-author of *Encyclopedia of Fermented Fresh Milk Products*.

This comprehensive volume, the first of its kind, presents the historical, international, scientific and technical nature of fermented milk and related products, offering information on formulation, manufacture, uses, sensory characteristics, microbiology, chemical composition, nutritional value and significance to health.

The book is published by Van Nostrand Reinhold, New York. Co-authors are J.A. Kurmann and J.L. Rasic, internationally recognized experts on yogurt, lactobacilli, bifidobacteria and intestinal microflora.

E. Willard Miller, professor of geography and associate dean for resident instruction, emeritus, College of Earth and Mineral Science, and **Ruby M. Miller**, former map librarian, Pattee Library, are co-authors of *Environmental Hazards: Toxic Wastes and Hazardous Materials*, published by ABC/CLIO.

The book traces the evolution of toxic wastes and hazardous materials in the environment and then discusses controls of these materials through federal, state and private cleanup programs. The fundamental laws and regulations to control environmental degradation are discussed.

Other material includes a chronology of critical dates, organizations established to consider environmental problems, a bibliography of about 100 annotated books and 400 journal articles, and a listing of audio-visual aids.

25-year award recipients

Observing 25 years of service to the University are Donald R. Doum, professor of agricultural engineering; Harold Gummo, biological technician in the Mushroom Research Center; David Hosterman, assistant swine herdsman in dairy and animal science; Bond O. Way, refrigeration and maintenance technician at the Creamery; and Lowell Wilson, professor of animal science, all in the College of Agricultural Sciences.

Highlight on Undergraduate Education

Community service, a time-honored tradition, is a two-way street in the University's College of Health and Human Development

Through a program called Option: S.E.R.V.E. (Students Enrolled in Relevant Volunteer Education), students can supplement a regular course with a one-credit community service project.

"It's a great opportunity for students to give back to the community while gaining an applied learning experience," says Ellen Perry, associate athletic director and assistant professor of exercise and sport science, one of 18 Health and Human Development faculty members who have supervised students in Option: S.E.R.V.E. projects.

The option is available in courses in exercise and sport science; health education; health policy and administration; hotel, restaurant, and institutional management; human development and family studies; leisure studies, and nutrition. Students also can register for a single credit of independent study without linking it to an existing course.

One student in Option: S.E.R.V.E. helped plan and deliver meals for Meals on Wheels as part of a nutrition class, while a student in a health education class worked with physical therapy patients at Nittany Valley Rehabilitation Hospital. Another student developed and taught an exercise class for 5 to 7-year-olds at the State College Area Family YMCA.

Nursing student Susan Buzza (left) participated in a Red Cross blood drive as part of her Option: S.E.R.V.E. experience. Jacquelyn O'Neill, assistant professor of nursing (right), was her supervisor. The student blood

Other sponsoring agencies have included Centre Community Hospital, Phone Field (an after-school help line for children), the Women's Resource Center, several day care centers, and more than a dozen other sites.

Students locate the potential site by working with Lion's Share, an on-campus organization that helps match the student's interests with a local agency's needs. Each student then works with the course instructor and the local agency to develop a learning contract that defines the expectations for the project. At the end of the semester, students typically write a paper linking the experience to the course material. The instructor monitors the experience and assigns a final grade.

Option: S.E.R.V.E., now in its second year, is funded by a grant from the Pennsylvania Campus Compact of the Pennsylvania Association of Colleges and Universities.

The program enriches the students' education in two ways, according to Ginny Newman, special assistant to the dean, who coordinates S.E.R.V.E. "It helps students increase their understanding of the issues they're learning about in class," she says, "and it offers them a chance to gain hands-on experience in their major."

And, says Ms. Newman, although the experience is designed to be completed in a semester, many students continue to volunteer at the agency after the class is over.

Hershey Medical Center

New LIFE LION helicopter arrives

Will continue legacy of providing transport for severely ill or injured patients

The LIFE LION aeromedical program at the Hershey Medical Center has celebrated its fifth anniversary with the arrival of a new LIFE LION helicopter.

The LIFE LION that has become so familiar to central Pennsylvanians over the past five years, an Aerospatiale 365N Dauphin twin-engine helicopter, has been retired. A younger version with added features has taken its place.

The new LIFE LION has more advanced instrumentation than its predecessor. "This will allow for more comprehensive evaluations of weather conditions in flight and additional operating capabilities," John M. Field, chief of the Division of Emergency Medicine, said.

LIFE LION transports severely ill and injured patients to the Medical Center's University Hospital and other hospitals throughout central Pennsylvania. According to Susan E. Pletcher, manager of pre-hospital and flight services, LIFE LION typically covers 2.3 million people in 17 counties but has actually flown to 46 different Pennsylvania counties, six other states and Washington, D.C. "In five years, LIFE LION has transported approximately 2,800 patients to 107 different hospitals, completing over 240,000 miles," she said.

The new helicopter, an Aerospatiale 365N2 Dauphin, has a custom-designed interior fabricated of new, improved carbon fibers. The multidirectional litter base, designed and manufactured by Keystone Helicopter Corporation of West Chester, guarantees nearly unlimited freedom in placing the litter within the helicopter cabin to ensure maximum patient movement. The lightweight liquid oxygen system provides a high volume of oxygen with the safety of a total low pressure system.

The LIFE LION flight crew usually consists of a pilot, registered nurse, and paramedic. On the ground, communication specialists maintain constant contact with the aircraft.

LIFE LION responds to two types of calls, on-scene—from an accident site to the nearest available trauma center—and inter-hospital—from one hospital to another for specialized care. Of LIFE LION's total calls, 40 percent are to accident scenes, and 50 percent are trauma-related.

The new LIFE LION was manufactured in France and recently completed and equipped by Keystone Helicopter Corporation. Keystone, the oldest commercial helicopter company in the eastern United States, has operated the LIFE LION program since its inception. All LIFE LION pilots and mechanics are employed by Keystone, which operates a total of seven aeromedical programs.

LIFE LION is one of 10 aeromedical programs in Pennsylvania.

This new model of the LIFE LION helicopter has more advanced instrumentation than its predecessor, which was retired from service after transporting 2,800 patients to 107 hospitals in the last five years.

Promotions

Staff Exempt

Paula A. Callery, to regional director of Development and University Relations at Hazleton Campus.
Barbara A. Davis, to administrative assistant in Liberal Arts.
Carol S. Findley, to senior applications programmer/analyst in Academic Services.
La Verne M. Maginnis, to assistant director, marketing communications in Continuing Education.
Davis F. Manos, to manager, Housing Services Residence Halls in Housing and Food Services.
Patrick W. McFeely, to administrative computer system specialist in Earth and Mineral Sciences.
Anthony J. Petro, to assistant to the financial officer I in Arts and Architecture.
Cecilia R. Sanker, to manager, purchasing in Housing and Food Services.
Vicki L. Spadaccio, to contracts and proposal specialist in Research and Graduate School.
Berwood A. Yost, to assistant director at Penn State Harrisburg.

Staff Nonexempt

Suzanne L. Barnhart, to supervisor Data Entry Verification at Hershey.
Frank A. Hanincik, to research technician at Hershey.
Lisa M. Robbins, to clinic head nurse at Hershey.
Gaylord D. Shawver, to engineering aide in Research and Graduate School.
Dee A. Weigle, to licensed practical nurse/medicine at Hershey.

Clerical

Michelle R. Alterio, to secretary B in Health and Human Development.
Joan I. Andrews, to secretary A in Earth and Mineral Sciences.
Donna R. Ballock, to clerk, typist A in Health and Human Development.
Cindy L. Bierly, to secretary B in Liberal Arts.
Devon J. Hegarty, to secretary B in Health and Human Development.
Shirley K. Irvin, to secretary C in Intercollegiate Athletics.
Sharyn K. Jenakovich, to secretary B at Penn State Harrisburg.
Diantha J. Mooney, to accounting clerk in Housing and Food Services at Beaver Campus.
Molly L. Sampsel, to clerk A in Continuing Education.
Lois A. O'Shell, to senior clerk payroll at Hershey.
Marie M. Straka, to secretary in Liberal Arts.
Anna Mae M. Surovec, to senior clerk in Academic Services.
Karen J. Thal, to research data processor A in College of Engineering.

Technical Service

Thomas W. Barner, to Stone Valley facilities maintenance worker in Auxiliary Recreation Services.
Thomas B. Bowers, to patrol officer at Hershey.
Dixie L. Catherine, to residence hall utility worker in Housing and Food Services.
Terriell D. Chandler, to food preparer A in Housing and Food Services.
Paul E. Chocallo, to maintenance mechanic B at Wilkes-Barre Campus.
Donna F. Corrigan, to residence hall utility worker in Housing and Food Services.
Frank J. Evans, to residence hall preventative maintenance in Housing and Food Services at Beaver Campus.
Donald C. Cox, to stock delivery clerk in Office of Business Services.
Terry D. Ernest, to maintenance mechanic at Delaware County Campus.
Sharon Y. Gettle, to escort service aide at Hershey Medical Center.
John T. Gibbons, to kitchen worker at Hershey.
Walter S. Golca, to maintenance worker, utility at Schuylkill Campus.
Sharon A. Heck, to utility worker at Hershey.
Michael C. Meyers, to senior instrument processing aide at Hershey.
Denise W. Neely, to escort service aide at Hershey.
Nancy L. Ross, to group leader, snack bar worker in Housing and Food Services.
Susan K. Usher, to storeroom clerk C at Hershey.
Lois J. Weaver, to residence hall utility worker in Housing and Food Services.
David B. Weidenhammer, to mechanic A, plumbing and carpentry at Berks Campus.

Appointments

James F. Nolan, assistant professor of education, has been named director of clinical experiences in the College of Education, effective July 1.

In this position, he will be coordinating placement of student teachers throughout Pennsylvania and abroad, organizing and conducting programs to prepare cooperating teachers, and organizing research jointly with faculty, supervisors, and school districts.

James F. Nolan

Dr. Nolan joined the Division of Curriculum and Instruction in 1987, after serving in professional positions at the University of Scranton, and Lafayette College, Easton, Pa. In addition, he held teaching positions at St. Mary's School, Dunmore; Wyoming Valley West School District, Kingston, and a counseling position at West Branch School District, Morrisdale.

He received a B.S. in secondary education from the University of Scranton, a M.S. in counselor education from Marywood College, Scranton, and a Ph.D. in curriculum and instruction from Penn State. His professional affiliations include the American Educational Research Association, the Association of Teacher Educators, the Pennsylvania Association for Supervision and Curriculum Development (President), the National Society for the Study of Education, Phi Delta Kappa, and Pi Lambda Theta.

Dr. Nolan has served on the College of Education Faculty Council, Administrative Council, a Steering Committee of the AERA Special Interest Group on Instruction Supervision, and as associate editor of the Journal of Curriculum and Supervision.

In 1984, he received the Outstanding Dissertation Award from the University Chapter of Phi Delta Kappa; in 1972 was awarded the Lynett Medal for Excellence in Education from the University of Scranton, and in 1989, received the Outstanding Research and Publication Award from the Pennsylvania Association for Supervision and Curriculum Development.

Peter A. Farrell, associate professor of applied physiology has been appointed chair of the University's intercollege graduate program in physiology. He succeeds **Elsworth R. Buskirk**, who has retired.

The physiology program is one of 14 intercollege graduate programs at the University; it has more than 60 faculty members from several colleges at University Park and several departments in the College of Medicine at Hershey. The program offers both the M.S. and Ph.D. degrees.

Dr. Farrell's research focuses on hormonal adaptations to exercise, with special emphasis on the pancreas and endogenous opioid peptides. A faculty member in the Department of Exercise and Sport Science, he is affiliated with the Noll Laboratory for Human Performance Research.

He also is a member of the graduate program in nutrition at Penn State and a member of the American Physiological Society.

Peter A. Farrell

Awards

Leonhard Chair holder receives high honor

Allan D. Pierce

Allan D. Pierce, holder of the Leonhard Chair in Acoustics and technical director of the Center for Acoustics and Vibration, has been awarded the Acoustical Society of America Silver Medal in Physical Acoustics.

One of the highest awards offered by ASA, it has been awarded only six times since 1975.

Dr. Pierce is internationally known for his landmark book, *Acoustics: An Introduction to its Physical Principle and Applications*. One of the most referenced books in the field, it is widely considered the definitive acoustics textbook.

Dr. Pierce also was recognized for fundamental research resulting in theories of sonic boom propagation through the atmosphere; of sound propagation in the oceans and of how gradual changes in the depth of ocean affects the amplitudes of sound; and of very long range propagation of sound.

A member of the ASA Executive Council, he chairs the ASA Tutorial Committee. He served on the ASA Committee on Education in Acoustics, which he also chaired, as well as on various technical committees.

A recipient of the Alexander von Humboldt Foundation Senior U.S. Scientist Award, Dr. Pierce served as visiting professor at the Max Planck Institute in Gottingen, Germany. He also was a Faculty Felfow at the Transportation System Center in Cambridge, England.

Dr. Pierce came to Penn State in 1988 from the Georgia Institute of Technology where he was a Regent's Professor. Prior to that he was a faculty member at the Massachusetts Institute of Technology.

He received a bachelor's in physics from New Mexico State University and a Ph.D. in physics from the Massachusetts Institute of Technology.

Fayette Campus names outstanding alumna

Nancy Chisnell Shockey has been named the 1991 Outstanding Alumna at the Penn State Fayette Campus.

The award, established in 1985, honors former students whose subsequent professional achievement warrants special recognition by their alma mater.

Ms. Shockey began her studies at the campus in 1980, majoring in letters, arts, and sciences. Following graduation, she was named executive director of the Fayette County Association for the Blind, a position she currently holds.

Her professional memberships include the Association for Education and Rehabilitation of the Blind and Visually Impaired, and the National Association for Vision Professionals. She is secretary of Uniontown Business and Professional Women, interim president of the Human Service Council of Fayette County, chairperson of the Executive Committee for Agency Coordination for Fayette County, president of the Fayette Housing Consortium for Persons with Disabilities, and chairperson of the executive directors of the state organization of the Pennsylvania Association for the Blind.

Besides her professional associations, she is actively helping to restore a one-room historic schoolhouse in the mountains. She also is an accomplished photographer and poet, winning honors and awards for both.

First awards go to Penn Staters

Congressional Fellows named to House subcommittee

The first two American Society of Landscape Architects Congressional Fellows are Penn Staters.

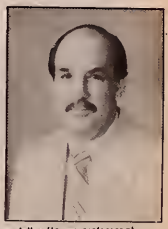
E. Lynn Miller, professor emeritus of landscape architecture, and 1984 graduate **Amy L. Schneckenburger**, landscape architect/project supervisor for the National Park Service, were selected by the Trustee Committee on Policy of the American Society of Landscape Architects to serve as the organization's first Congressional Fellows.

They will serve on the House Interior Committee Energy and Environment Subcommittee. They will assume roles that parallel other staff members on Capitol Hill. Rep. Peter Kostmayer, D-Pa., is the chairman of the subcommittee.

Professor Miller retired with emeritus status in 1991 after 30 years at Penn State. He is widely published in his field and has maintained an active private consulting practice that includes Toftrees, the first planned community in Pennsylvania, the urban park of Oporto, Portugal, and the World Trade Center and Teleport 1 in Lisbon, Portugal.

In her role with the National Park Service, Ms. Schneckenburger supervises the construction of National Park Service development projects. She acts as the coordinator between government agencies and private contractors.

25-year award recipients



Observing 25 years of service at the University are, from left, Donald Crider, professor of rural sociology; Stanley Green, associate professor of entomology; Arthur Hower, professor of entomology; James Lynch, professor of forest hydrology; and Rodney Shaffer, technician at the Fruit Research Laboratory, all from the College of Agricultural Sciences.

Partings

Faculty and staff in Applied Research Lab retire

Glenn T. Hurd

Glenn T. Hurd, a toolmaker in the Operations machine shop at the Applied Research Laboratory, has retired after 27 years service.

Prior to joining the Laboratory, Mr. Hurd worked as a machinist in several Pennsylvania companies. He started work at ARL on Oct. 14, 1965, as a machinist, and in 1984 he was promoted to toolmaker. In these positions, he has contributed to numerous Laboratory projects.

Mr. Hurd served in the Air Force for four years, which took him to North Africa and the Bahamas from his base in Puerto Rico. He will visit those islands again on a Caribbean cruise he will take after retiring.

He and his wife have five children and three grandchildren. Because of his four sons, he has given many years of service to the Boy Scouts, including the position of committee chairman. He plans to pursue his hunting, fishing, and outdoorsman interests by dividing his retirement between winters in Florida and summers in Colorado and Canada.

Amos J. Snyder

Amos J. Snyder, senior electromechanical designer at the Applied Research Laboratory, has retired after 25 years of service.

Mr. Snyder started work atthe Laboratory in 1966 as a draftsman. He became a senior draftsman-checker and later a senior checker. In 1972 he was promoted a senior designer, electromechanical. His specialty, printed circuit designing, involved him in many different projects being conducted at the Laboratory.

Mr. Snyder joined the Air Force during the Korean War, during which he was stationed in Japan for 27 months. In the course of his four years of service, he completed the Air Force's Photomapping School. He then received training in drafting and design from the Williamsport Technical Institute and worked for the Martin Company (now Martin-Marietta). Prior to joining the Laboratory, he worked on missile projects with General Electric's Missile and Space Vehicles Department and on helicopter development with Boeing Corporation, both in Philadelphia.

Edward V. Welser Jr.

Edward V. Wesler Jr., research associate in the Guidance and Control Department at the Applied Research Laboratory, has retired after 27 years service.

Mr. Welser received his bachelor's and master's degrees in meteorology from Penn State in 1956 and 1964, respectively. As a research assistant, he worked both in meteorology and in the University's computer center, and he earned a scholarship from IBM. Before entering college, he served in the U.S. Air Force for four years.

His underwater acoustics research at the Laboratory has ranged from field work on physical oceanographic parameters at Key West to computer imaging and statistical analysis of data collected during Arctic experiments

Mr. Welser created an underwater acoustics seminar for the continuing education short course of the Graduate Program in Acoustics. In 1972 he developed and taught a 10-week course on Techniques in Physical Oceanography, which ran for 11 years. This course gave students hands-on training at a facility on Wallops Island, Va. Penn State granted him an award for his work in this unique program.

Mr. Welser regularly volunteers at the Centre Community Hospital and in church-related service. He will remain in the area, where his wife is active in teaching and dog breeding, and will continue to vacation in his family cottage in Canada.

Richard D. Koontz

Richard D. Koontz, supervisor of systems fabrication and assembly at the Applied Research Laboratory, has retired after 26 years service.

Prior to joining the Laboratory, Mr. Koontz was a chief instructor at the Gateway Technical Institute. He started work at ARL in April, 1965, as an engineering aide and was promoted to senior engineering aide.

He was responsible for managing the detailing, fabrication, assembly, and initial testing of elements of undersea vehicle systems. He also supervised the assembly of those components into systems in preparation for in-water testing.

In recognition of his contributions to the Laboratory, Mr. Koontz was awarded the ARL Outstanding Performance Award in 1985. This year he received a special University commendation from Charles Hosler, senior vice president of research and dean of the Graduate School, for Exceptional Service in Support of Research and Scholarly Activity.

Mr. Koontz plans to remain in the area, working in the family business he runs with his wife Shirley. They have a model railroad and hobby shop and manufacturing business in Pennsylvania Furnace. They have two sons living in Lewistown and Florida.

James D. Weir

James D. Weir, assistant professor of engineering research in the Systems Engineering Department at the Applied Research Laboratory, has retired after 42 years service.

Prior to joining the Laboratory, Mr. Weir earned a bachelor's degree in electrical engineering from Purdue University in 1949.

He holds a patent for a special circuit he developed for driving delay lines. He has another patent now pending for the Luneberg lens he has been currently developing for use as a passive towed torpedo target.

Mr. Weir plans to remain in the area, continuing his active church participation and pursuing his golfing and photography interests. He will visit with his three children and his growing number of grandchildren.

Charles R. Hammond Sr., tunnel operator and assistant model mechanic at the Applied Research Laboratory, has retired after 30 years of service. He joined the Laboratory on Aug. 14, 1961.

Anthony Kibelbek Jr., manager of purchasing and subcontracts at the Applied Research Laboratory, has retired after 35 years service.

Partings

Engineering research faculty end years of service

Lawrence C. Pharo, associate professor of engineering research at the Applied Research Laboratory, has retired after 36 years service.

Throughout his career at ARL, he was involved with signal processing. His research focused on advancing the technology of signal processing, used for extracting unique signals from broadband radiated noise of submarines, surface ships, and torpedoes and for classifying, locating, and estimating the distance to targets. He holds four patents for signal processing techniques and one pending for a piece of signal processing equipment.

Lowrence C. Pharo

Mr. Pharo earned his bachelor's degree in electrical engineering from Auburn University in 1948 and a master's degree in electrical engineering at Penn State. In the summer of 1955, Mr. Pharo entered Penn State's Graduate School and began his research at the Laboratory.

Over several years he used his facility with languages to enhance graduation ceremonies at Penn State as the nomenclator at the Graduate School's commencements, and he participated in many commencement ceremonies as the University Marshal. Another service he contributed was helping to found the State College Municipal Band, a sixty-piece concert band made up of University and community instrumentalists who perform during the Arts Festival and year round.

Mr. Pharo plans to remain in the area and maintain his rigorous schedule of musical activities, which includes the municipal band and three area symphonies. He will travel to Spain with a choral group, study financial investment, and offer consulting services in underwater acoustics.

Richard L. Reich, head of main lab operations, safety coordinator, and assistant professor of engineering research at the Applied Research Laboratory, has retired after 25 years service.

In 1966 Mr. Reich accepted a joint appointment with Industrial Engineering Department and the Laboratory as an assistant professor of engineering research. His research has spanned many interests, including noise reduction and the mechanical reliability and maintainability of the MK-48 torpedo. In 1980 he became the manager of the Laboratory's technical services, which evolved into his position as head of main lab operations. Throughout his career at ARL, he was involved with safety management.

At Penn State Mr. Reich earned his bachelor's degree in mechanical engineering in 1954 and a master's degree in industrial engineering in 1964. He served on active duty in the U.S. Navy from 1954 to 1958 before continuing his education at the University. From 1959 until he received his joint appointment, he taught undergraduate courses in industrial engineering and worked part-time at the Laboratory. In 1988 he received a special commendation for staff service from Charles Hosler, senior vice president of research and dean of the Graduate School.

Richard L. Reich

Mr. Reich plans to remain in the area, pursuing reading, gardening, and greater involvement in his church's activities.

OPP project manager retires

Daniel Carl Johnson

Daniel Carl Johnson, assistant to the director of project management and project manager for major construction in the Office of Physical Plant, has retired after 25 years service.

Mr. Johnson has been responsible for the management of major University building projects from planning through construction, acting as a liaison between building professionals and Penn State client departments, colleges, campuses and other units. He has been involved with at least 247 new buildings, the latest of which were the 10,300-seat addition to Beaver Stadium, the Classroom Office Building, and the Palmer Museum of Art addition.

Mr. Johnson's association with Penn State began in the mid 1950s when he worked for H2L2 architectural firm in Philadelphia as the firm's representative on architectural projects for Penn State. At that time he worked on 42 Penn State Projects.

In addition to working for H2L2 for 13 years, he also worked for Collaborating Architects, which specialized in large-scale projects; for Jack S. Steele Company, Architects and Engineers, and McKenzey and Wigmore, all in Philadelphia.

In retirement, Mr. Johnson plans to devote more time to hunting, fishing, golf and traveling with his family. He and his wife, Janice, have a daughter, Karen, who lives in South Boundbrook, N.J., and a son, Keith, who is a superintendent for Farfield Construction Co. in Lititz. They have four granddaughters and one grandson.

Shenango Campus

Faculty member leaves

Evelyn Halpern, associate professor of chemistry at the Penn State Shenango Campus, has retired after 24 years service.

Ms. Halpern, who began teaching at the campus in 1967, earned a Ph.D. from Case Western Reserve University in organic chemistry.

She has written student lab manuals for introductory chemistry and sophomore organic chemistry which are used internationally through the Division of Independent Learning. She also wrote the independent learning course for sophomore organic chemistry for Penn State Shenango and developed a peer tutoring system for introductory courses.

Ms. Halpern was the director of the Summer Honors Science Camp for gifted sixth graders at Shenango and was the director of the University Scholars Honors Program at the campus for 10 years.

Employee brings 27-year career to close

John A. Pollock, vending machine servicer in Housing and Food Services, has retired after 27 years service.

Mr. Pollock plans to spend his retirement traveling with his wife, Doris,. He also plans to spend time with his daughter, Linda, and her family.

John A. Pollock

Partings

Professor of education retires just shy of 25 years

Robert L. Shrigley, professor of education, has retired after 24 years service.

Dr. Shrigley came to Penn State in 1966 as an instructor and graduate assistant, earning a D.Ed. degree in elementary education in 1968. He remained in the College of Education, progressing to full professor in 1979. Previous degrees include a B.S. in elementary education and a Master's of Education in school administration, both from The Ohio University.

Professional awards include the National Association for Research in Science Teaching's 1991 Award for Distinguished Contributions to Science Education; a Certificate of Meritorious Services from President Claude Sowle, Ohio University, for professional services rendered at Advance Teacher's College, Kano, Nigeria; Certificate of Recognition, Phi Delta Kappa; and Visiting Scholar in Curriculum and Instruction, University of Texas. He has published widely, with more than 60 publications focusing on attitude theory, international education, and teacher education.

Dr. Shrigley currently serves on review boards for the National Association for Biology Teachers and the Journal in Research in Science Teaching, and he serves as a reviewer for the School Science and Mathematics journal. Affiliations include Phi Delta Kappa, the School Science and Mathematics Association, the Pennsylvania and National Science Teacher's Associations, and the American Scientific Affiliation.

In addition, he is director of the PHEAA-sponsored Program for Improvement of Elementary Science. He is listed in *American Men and Women and Science* and in *Who's Who in the East*.

Robert L. Shrigley

Palmer Museum curator leaves University post

Olga Preisner, curator of the Palmer Museum of Art's permanent collection, has retired after 21 years service.

Dr. Preisner came to Penn State in 1970 as registrar of the newly-built museum. In 1976, she became curator of the permanent collection.

During the last 16 years, Dr. Preisner has curated exhibitions including "From Gothic to Baroque," "French Drawings from European Collections," "The England of William Penn" and "Bellefonte Collects."

Olga Preisner

Born in Czechoslovakia, Dr. Preisner graduated in 1945 from the Gymnasium in Zvolen and received her doctorate in art history with minors in aesthetics and philosophy from Charles University in Prague in 1953.

In Prague, she was a research fellow at the National Administration for Preservation of Artistic and Historic Monuments; a special fellow-curator in the Graphic Department at the National Gallery of Art; curator at the Central Bohemian Museum of Art, and research associate II at the National Institute for Preservation of Historic and Artistic Monuments.

Dr. Preisner lives in State College with her husband, Rio Preisner, recently retired professor of German literature.

Theatre arts professor bows out

Douglas N. Cook, professor of theatre arts and former head of the Department of Theatre Arts, has retired after 21 years service.

Professor Cook was head of the Department of Theatre Arts from 1970 to 1988. Under his leadership, the department became one of the leading professional training grounds in the country. Also during his tenure as department head, he served as the producer of the Penn State Festival Theatre, guiding its growth from 1970 to 1985, when it was reorganized as Pennsylvania Centre Stage.

In 1967, Professor Cook was named associate producer of the Utah Shakespeare Festival. He designed the Adam's Elizabethan Playhouse, recognized by the British Broadcasting Corporation as "the best present-day theater to carry on Elizabethan stage traditions."

Before coming to Penn State, Professor Cook was a member of the faculty at Stanford University and chairman of the Department of Theatre at the University of California, Riverside. He is past president of the University Resident Theatre Association, the American Theatre Association and the Honorary National Theatre Conference.

Douglas N. Cook

Associate professor ends 24-year career

Frances E. Fairchild

Frances E. Fairchild, associate professor of education, has retired after 24 years service.

She began her tenure at Penn State in 1967, in the Division of Curriculum and Instruction's Reading, Communication and Language program. She has remained within this program, primarily teaching methods of teaching language arts in elementary school and language and literacy education. She has served as an adviser and as coordinator of the Reading, Communication and Language program. In addition, she has served on the Graduate Faculty.

Dr. Fairchild's professional education includes an A.D. in Liberal Arts from Cottey College, and a B.S. in elementary education, M.Ed. in elementary education, and D.Ed. in reading and language arts, from the University of Missouri. Before coming to Penn State, she served as an instructor at the University of Missouri; supervisor of elementary schools for the Ferguson-Florissant School District, Missouri, and classroom teacher in the Ferguson-Florissant Schools, Missouri.

Current professional affiliations include the National and Pennsylvania Councils of Teachers of English, the International Reading Association, the Keystone State Reading Association, and Phi Delta Kappa. She has served the University on many committees, including the University Policy Committee and the University Faculty Senate.

In the College, she has served on the Student Affairs Committee, the Selection and Retention Policies Committee, Early Childhood Education Committee, and the Elementary Education Task Force.

Partings

College of Engineering bids goodbye to three

Gert Aron, professor of civil engineering, has retired after more than 22 years service.

Dr. Aron is best known for work in flood and rainfall frequency. He wrote two manuals which are used throughout Pennsylvania for estimates of design floods and storms at ungauged locations. His hydrologic computer model, PSRM, is used not only in Pennsylvania, but in the Midwest as well as in New South Wales, Australia.

Gert Aron

Born in Germany, Dr. Aron moved to Ecuador just before World War II where his family raised cattle in a jungle village. He came to the United States at age 26 to catch up on his missed high school and college education. He earned bachelor's and master's degrees at the University of Iowa and a Ph.D. at the University of California at Davis.

He has been involved in energy conservation since the 1973 oil crisis. For approximately 16 years, he has used a solar and firewood water heating system in his home. After retirement, he plans to look at the feasibility of building a solar air-conditioning unit.

Philip D. Cady, professor of civil engineering, has retired after more than 30 years service.

Since joining the faculty in 1967, Dr. Cady has been the principal or co-principal investigator on sponsored research contracts in excess of $3.5 million, mostly in the area of durability of concrete bridges. He has authored or co-authored approximately 100 technical journal articles, mainly in the area of concrete durability.

He has received many honors and awards. He was named Distinguished Alumni Professor of Engineering for 1988-1991. He received the 1968 Sanford E. Thompson Award of the American Society for Testing and Materials and the 1976 Penn State Engineering Society Award for Outstanding Achievement in Research.

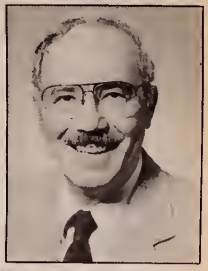
Dr. Cady is a Fellow of the American Society of Civil Engineers and the American Concrete Institute and is listed in the American Association of Engineering Societies "Who's Who in Engineering."

After receiving his bachelor's degree in civil engineering from Penn State in 1956, he worked as an engineer for affiliates of Standard Oil Co. in Baltimore, Md., and Aruba, Netherland Antilles. He returned to Penn State as a research assistant in civil engineering in 1962, earning his master's degree in 1964 and his Ph.D. in 1967.

Dr. Cady plans to remain active in consulting and to write in the areas of engineering economy, concrete materials and forensic engineering. He also will hunt, fish and travel.

Barnes W. McCormick, Boeing professor of aerospace engineering and former head of the department, has retired after 41 years service.

Dr. McCormick is noted for research in aerodynamics. He was the first to obtain a solution for an optimum propeller with a large hub and, together with a team of graduate students, obtained the first experimental measurements of the wake far downstream of a full-scale airplane in flight.



Philip D. Cady

He is the author of two books. The first, concerned with vertical flight, was published in 1967 and is still in print. The second, published in 1977, is in its 13th printing and is used internationally as an undergraduate text in aeronautics.

Dr. McCormick joined the University as a research associate at The Ordnance Research Laboratory (now the Applied Research Laboratory) in 1949 after receiving his master's in aeronautical engineering from The Pennsylvania State College.

In 1954, he was promoted to associate professor of engineering research, after receiving his Ph.D. from Penn State. He left the University in 1955 to join the Piasecki Helicopter Company, later the Vertol Company, where he rose to the position of chief of aerodynamics. In 1958, he was named head of the Department of Aeronautical Engineering at the University of Wichita (now Wichita State University).

Barnes W. McCormick

In 1959, Dr. McCormick returned to Penn State as a joint appointee with ORL and the Department of Aeronautical Engineering (now aerospace engineering). He served as head of the department from 1969 until 1985, when he resigned to accept the Boeing Professorship.

In 1976, he received the Leland Atwood Award given by the American Institute of Aeronautics and Astronautics for outstanding achievement in aerospace engineering education. He is a Fellow of the AIAA and served for four years as the Institute's vice-president for education.

Dr. McCormick and his wife, Emily, a second-grade teacher at Radio Park School, plan to remain in State College.

More University employees retire after outstanding service

Arthur J. Coble, stores clerk at Hershey Medical Center, from Oct. 25, 1971, until Dec. 19.

James R. Dungan, senior director-physical plant, Office of the Physical Plant, from Sept. 1, 1972, until Jan. 1.

Shirley A. Freeman, secretary B, Development and University Relations, from Feb. 20, 1978, until Jan. 1.

Patricia Hindle, secretary B, Health and Human Development, from Oct. 12, 1977, until Jan. 1.

Jeannette L. Hurd, clerk A, Business Services, from April 14, 1980, until Jan. 1.

Harlan E. Knarr, painter A, Office of the Physical Plant, from May 2, 1977, until March 6, 1978; and from May 1, 1978, until Jan. 1.

Richard A. Knerr, staff physician, Student Services, from Sept. 1, 1972, until Jan. 1.

Louise H. Molnar, clerk, Records A at New Kensington Campus, from April 1, 1976, until Jan. 1.

Janet M. Scalzi, administrative aide, Agriculture, from May 1, 1956, until Jan. 19, 1962; from Dec. 1, 1963, until Sept. 30, 1964, and from Feb. 9, 1981, until Jan. 1.

Barbara Woodruff, associate extension agent, Agriculture, from Nov. 1, 1979, until Oct. 1.

Marion J. Zechman, senior patient information clerk at Hershey Medical Center, from July 26, 1971, until Jan. 1.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, January 30. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02124, Director of Marketing Research and Planning, Undergraduate Education, Undergraduate Admissions, University Park Campus** — Responsible to the director of admissions for the design of a market research and market data drive information and recruitment system for perspective students. Develop recommendations and alternatives for total University admissions marketing plan. Organize and initiate the total University effort to inform, attract, and interact with all perspective students. Develop collaboration with other market research and planning activities across the University. Requires master's degree, or equivalent, plus six to seven years of effective experience in marketing, with particular experience in marketing research and planning, communications, and public information. A doctoral level of education is desirable. STAFF GRADE 10

■ **02125, Construction Quality Representative (Mechanical and Electrical), Office of Physical Plant, University Park Campus** — Responsible to a senior quality construction representative for the inspection of construction projects and day-to-day related coordination and monitoring of work being performed by prime contractors and their subcontractors. Requires associate degree, or equivalent, in architecture, engineering, or related field, plus two to four years of effective experience on commercial and institutional building projects at a supervisory level. BOCA certification preferred. STAFF GRADE 6

■ **02126, Manager, Electronic Communications, Development and University Relations, Public Information, University Park Campus** — Responsible to the director, Public Information for managing the activities of the Electronic Communications Section; for the production of video tapes and spots concerning the University, for administering University policy governing the production of video tapes across the institution, and for developing and disseminating newsworthy material to designated radio and television stations. Requires bachelor's degree, or equivalent, in communications or related field and four to five years of effective experience with commercial/public television or radio stations. Experience with a commercial broadcast news operation preferred. STAFF GRADE 8

■ **02127, Development Officer, Development and University Relations, College of Engineering, University Park Campus** — Responsible to the director of development, College of Engineering, for the organization and implementation of fund-raising programs and related activities in the College of Engineering. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in public relations, fund raising, or related field with one year of experience in major gift, personal solicitation. Proficiency in verbal and written communication skills and willingness to travel are essential. STAFF GRADE 7.

■ **02128, Development Officer, Development and University Relations, The Smeal College of Business Administration, University Park Campus** — Responsible to the director of development, The Smeal College of Business Administration, for the implementation of fund-raising programs and related activities in the College. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in public relations, fund raising, or related field with one year of experience in major gift, personal solicitation. Proficiency in verbal and written communication skills and willingness to travel are essential. STAFF GRADE 7.

■ **02129, Development Officer, Development and University Relations, Eberly College of Science, University Park Campus** — Responsible to the director of development, Eberly College of Science, for the implementation of fund-raising programs and related activities in the College. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in public relations, fund raising, or related field with one year of experience in major gift, personal solicitation. Proficiency in verbal and written communication skills and willingness to travel are essential. STAFF GRADE 7.

■ **02130, Development Officer, Development and University Relations, College of Agricultural Sciences, University Park Campus** — Responsible to the director of development, College of Agricultural Sciences, for the implementation of fund-raising programs and related activities in the College. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in public relations, fund raising, or related field with one year of experience in major gift, personal solicitation. Proficiency in verbal and written communication skills and willingness to travel are essential. This is a fixed-term position for six months beyond date of hire, with good possibility of re-funding. STAFF GRADE 7.

■ **02131, Assistant Accountant, Corporate Controller, University Park Campus** — Responsible to the director of accounting operations for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas within the Office of the Corporate Controller. Requires bachelor's degree, or equivalent, in accounting or related field and up to one year of effective experience. Note: This is a trainee position. STAFF GRADE 5.

■ **02132, Assistant Manager, Financial Reporting, Corporate Controller, University Park Campus** — Responsible to the manager, Financial Reporting, for support in the areas of financial statement preparation, tax preparation and overhead accounting. Duties include: assisting in the preparation of the University's Audited Financial Statements and 990/990-T Tax Returns; assist in technical research as required for the determination of the effect of the new FASB regulations on the University's financial statements. Requires bachelor's degree, or equivalent, in accounting or related field with four to six years of effective experience in financial statement preparation, accounting, taxes, and A-21 cost principles. Certified Public Accountant preferred. A working knowledge of personal computers with software applications such as Lotus or Symphony is desired. STAFF GRADE 8.

Department head sought

Applications and nominations are invited for the position of head of the Department of Integrative Arts in the College of Arts and Architecture.

The major emphasis of the Department of Integrative Arts is undergraduate general education for University students at all locations. The department employs traditional and non-traditional approaches to the cultivation of the audience for the arts and the training of artists who are multi- or interdisciplinary in their focus.

Candidates should possess a terminal degree and be tenured/tenurable in one of the represented disciplines of the College of Arts and Architecture and present evidence of successful experience related to undergraduate education for both traditional and non-traditional students. Because of the department's heavy emphasis on teaching, the department head will be expected to teach. This is a 36-week academic year appointment with possible partial supplemental appointment during the summer session.

The College will consider the possibility of a joint appointment with the Commonwealth Educational System of co-department heads, one at University Park and the other at a CES location; the appointment of a single department head at a non-University Park location, or a University Park-based department head.

The search committee began screening candidates Jan. 15, and will continue until an appointment is made. The appointment will be effective with the fall semester 1992.

Send resume with names of three references to: Professor Donald Kunze, chair, Department Head Search Committee, 111 Arts Building, University Park, PA 16802.

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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Commission for Undergraduate Education named

President Thomas has appointed the Commission for Undergraduate Education.

The commission will serve as a balanced and action-oriented group, charged to provide a focal point of communication on undergraduate education; to develop unity and coherence in improving the quality of teaching and learning at Penn State, and to report regularly to the President and the University Faculty Senate on University accomplishments in the area of undergraduate education. The President's action follows the recommendation of the report compiled by the Task Force on Undergraduate Education.

"The Task Force's report places Penn State at the forefront of American universities in working to improve the educational experience of undergraduates," Dr. Thomas said. "In this, we join the leading research universities in the nation, including Stanford and Harvard. I want to stress again my belief that the American research university is the best setting we know for undergraduate education."

Madlyn L. Hanes, director of academic affairs at Penn State Delaware County, will chair the commission.

Commission members are: **George E. Andrews**, Evan Pugh professor of mathematics; **William W. Asbury**, vice president for student services; **Leonard J. Berkowitz**, associate professor of philosophy at Penn State York; **Jeannette D. Bragger**, associate dean in the College of the Liberal Arts; **Gary J. Fosmire**, associate professor of nutrition science; **Nicole Gardner**, undergraduate student in the College of the Liberal Arts; **Gregory L. Geoffroy**, dean of the Eberly College of Science; **Louis F. Geschwindner Jr.**, associate professor of architectural engineering;

David P. Gold, professor of geology; **C. Gregory Knight**, vice provost and dean for undergraduate education; **Frank J. Kristine Jr.**, assistant professor of chemistry at Penn State Mont Alto; **Helen A. Manfull**, professor of theatre arts; **James M. Rambeau**, associate professor of English and American studies; **David A. Rice**, graduate assistant in higher education, and **Brian Suwalski**, undergraduate student in the College of Engineering.

Program to recognize teaching

Executive Vice President and University Provost **John A. Brigbton** has announced a special salary program to recognize outstanding collaborative teaching efforts. The focus of the program is on faculty who as a group have developed innovative curricula or instructional techniques or made other special contributions to undergraduate and graduate teaching.

A one percent differential salary increase will be added to the salary increment that is recommended for the faculty member through the annual evaluation process conducted by the department or unit head and dean. This program is expected to take effect with this year's salary planning cycle and will be reviewed annually to determine its continuation.

Instructions for brief documentation of the teaching innovation or special

See 'Teaching' on Page 9.

King celebration

Keynote speaker Chuck Stone, University of North Carolina journalism professor, spoke to a capacity crowd in Eisenhower Auditorium of University Park Jan. 20 as part of the annual observance of Martin Luther King Jr. Day. (Photo: Greg Grieco)

PENNSTATE

TENTATIVE PLANS FOR ADDITIONAL PARKING AT UNIVERSITY PARK

1) Terrace parking structure planned for the HUB lot, Brown F.	350 spaces
2) An expansion of the Kern/Keller parking terrace	500 spaces
3) Red A surface lot West of Atherton near golf course	300 spaces
4) Lot 44 surface spaces near Beaver Stadium	600 spaces
5) Surface lots South of Shields	200 spaces

The percentage of University Park employees who are driving to campus has increased in recent years and the number of employees has increased as has the number of students. That will necessitate parking to meet the additional demand for spaces. See Page 7 for additional parking information.

Focus on Diversity

The Commission for Women

MSU chair and professor to speak Feb. 3

The Commission for Women will continue to celebrate its 10th anniversary with the second of three speakers in its 1991-92 speaker series.

Kathryn M. Moore, chairperson and professor in the Department of Educational Administration at Michigan State University, will speak on the topic of "Going from Strength to Strength: The Legacy of the Strategic Study Group," on Feb. 3 at 4 p.m. in 201 Business Administration Building. A reception will follow her presentation. All members of the University community are invited.

Dr. Moore received her B.A. and M.A. degrees from the Ohio State University and her Ph.D in educational policy studies from the University of Wisconsin-Madison.

Before joining Michigan State, Dr. Moore was professor and director of the Center for the Study of Higher Education at Penn State. In her more than 10 years at Penn State, Dr. Moore was active in the University, college and larger community.

From 1985-87, she was chair of the Strategic Study Group on the Status of Women. She participated in several University strategic study groups and was an elected faculty senator. Dr. Moore also was a faculty member at Cornell University and served briefly as an administrator at the University of Wisconsin.

She is author of numerous articles and monographs on academic careers, administrative leadership, academic women and student life. Dr. Moore is currently working on a project dealing with faculty rewards and incentives in research universities. She is past president of the Association for the Study of Higher Education.

The Commission for Women series was designed to increase the visibility of former and present Penn State women, while also acknowledging their achievements. The speaker series will conclude on March 30 with Carol Cartwright, president of Kent State University speaking at the Commission's annual banquet.

For additional information about the series or the Commission, contact Susan C. Youtz at 863-0245, or Anne Ard at 863-7890.

Kathryn M. Moore

Diversity Opportunities Calendar

Through Jan. 31
■ Penn State University Libraries, daily, Pattee Library lobby and African American Studies Room. Exhibit titled, "Martin Luther King: The Civil Rights Movement." Features excerpts from speeches and photographs of Dr. King and other civil rights leaders.

Feb. 1 through 29
■ Penn State Bookstore, 8 a.m. to 5 p.m. weekdays, Bookstore Building. Black History Month display featuring books by African/Black American authors, books on African/Black American history, art, social issues, philosophy, photography, children's books and more.

Sunday, Feb. 2
■ WPSX-TV, 7 p.m., Channel 3. Part three of television series titled, "Americans Too: Black Experiences in Rural America."
■ WPSX-TV, 10 p.m., Channel 3. One-hour television documentary titled, "The Road to Brown," examines chain of events leading to the U.S. Supreme Court case Brown vs. Board of Education.

Monday, Feb. 3
■ WPSX-TV, 10 p.m., Channel 3. Television program titled, "Roots of Resistance: The Story of the Underground Railroad."

Tuesday, Feb. 4
■ Paul Robeson Cultural Center, 7 p.m., Paul Robeson Cultural Center. Presentation titled, "Blacks and the HIV."

Wednesday, Feb. 5
■ Penn State Erie, the Behrend College, 6 p.m., Wintergreen Cafe. Group participation in game titled, "Starpower," in which a low-mobility, three-tier society is built through the distribution of wealth in the form of chips. Once established, the group with the most wealth is given power to make the rules of the game.
■ Caribbean Student Association, 7 p.m., Paul Robeson Cultural Center. Presentation titled, "Images of the Future and Caribbean Development."

Thursday, Feb. 6
■ Penn State Bilingual Education Program and College of Education Dean's Office, 7:30 p.m., 101 Kern Building. Presentation titled, "The Situation of Bilingual Education in Pennsylvania."
■ Office of Health Promotions and Education, 7 p.m., HUB Assembly Room. Dramatic performance titled, "Strange Like Me."
■ Central Pennsylvania Women of Color luncheon, noon, Hotel State College. Dr. Shirley Hendrick will give an update on the status of the Commission for Women at Penn State.

Saturday, Feb. 8
■ Center for Minority Faculty Development, 9:30 a.m. to 12:30 p.m., 114 Kern Graduate Building. The Publishing Process is the second of a series of faculty development workshops. Emilia Martinez-Brawley, professor of social work, will be the speaker. All junior faculty are welcome. To make reservations, contact Leah Witzig at 863-1663.

Bilingual education series set

The importance of attracting bilingual students into education is the focus of the Bilingual Education Spring Semester 1992 Presentation Series Feb. 6 through April 16 at University Park.

Sponsored by the Bilingual Education Program and the College of Education Dean's Office, the four-part series explores major issues, trends and obstacles affecting the education of limited-English proficient students and their parents in Pennsylvania as well as finding bilingual educators.

Hispanic student enrollment in school districts around the state is increasing tremendously, and those increases have created new challenges for educators faced with making changes in curriculums established for more static student populations, says **Yolanda Ramos**, instructor of education who teaches bilingual education courses.

"We hope that the presentations will help inform Penn State students, faculty, recruiters and others of these new challenges," she said.

The first presentation, titled "The Situation of Bilingual Education in Pennsylvania," is scheduled for 7:30 p.m. Feb. 6, in 101 Kern Building, Myrna Delgado, state department of education board of curriculum and instruction advisor of bilingual education, will be the lecturer.

On Feb. 21, Manuel Recio, state director of migrant education, will make a presentation titled, "Pennsylvania Migrant Education Programs and the Hispanic Child," at 7:30 p.m. in 107 Moore Building.

"Hispanic Professional Leadership in Education and Other Areas" will be the presentation by Lillian Escobar-Haskins, executive director of the Governor's Commission for Latino Affairs, at 7:30 p.m. March 19. The location will be announced later.

The final topic, titled "Hispanics in Pennsylvania: Community Issues and Concerns," is scheduled for 7:30 p.m. April 16 in 112 Kern Building. Lecturers will be Wilfredo Seda, Reading Hispanic Center executive director and Vilma Garcia-Jones, York Spanish American Center assistant director.

Celebrating heritage

Saturday, Feb. 1 marks the start of Black History Month.

Originally observed as Black History Week in the 1920s, it was expanded in the 1960s to a month-long celebration of the African/Black-American heritage. Carter G. Woodson is credited with initiating Black History Week.

A schedule of events and activities related to Black History Month will appear in the Feb. 6 edition of the *Intercom*.

Leaves of Absence 1992 - 1993

The following leaves of absence have been approved for 1992-93.

College of Agricultural Sciences

Charles W. Abdalla, associate professor of agricultural economics, to study methodologies for measuring the value of environmental quality changes, at North Carolina State University, Raleigh, N.C.
Phyllis A. Barner, associate professor of agricultural and extension education, to conduct residential indoor air quality research at the Harvard School of Public Health, Boston, Mass.
Thomas S. Becker, associate extension agent (York County), to complete master of education degree in training and development at Penn State Harrisburg.
David R. DeWalle, professor of forest hydrology, to collaborate on studies of isotope and chemical analysis of plant and water samples, at the University of East Anglia, Norwich, England.
Paul S. Dimick, professor of food science, to study fractionated dairy fats and their compatibility with cocoa butter, at the Victorian College of Agriculture and Horticulture, Werribee, Australia.
Donald J. Epp, professor of agricultural economics, to study recent developments in the theory and methods of resource and environmental economics, at North Carolina State University, Raleigh, N.C..
Natalie M. Ferry, county extension director (Union County), to complete requirements for a doctorate in adult education at Penn State.
Henry D. Gerhold, professor of forest genetics, to study genetic improvements in landscape tree cultivars and to expand the publication *"Street Tree Factsheets."*
Roland M. Leach Jr., professor of poultry science, to conduct research on cartilage morphology and vascularization, at New York College of Veterinary Medicine, Cornell University, Ithaca, N.Y
James W. Travis, associate professor of plant pathology, to evaluate the adaptation of VITIS, a grape disease management expert system, to Australian production conditions, at the Loxton Research Centre, Loxton, South Australia.
Dennis J. Wolnick, associate professor of floriculture, to design and develop an interactive electronic data base for floriculture producers, at the University of Hawaii, Manoa.

College of Arts and Architecture

Maureen A. Carr, professor of music, to conduct research on Igor Stravinsky's dramatic works on classical Greek subjects.
David R. DonTigny, professor of art, to produce a series of ceramic vessels incorporating Asian esthetics.
Donald E. Kunze Jr., associate professor of architecture and integrative arts, to conduct research on the relationship between representation and political power, authority, and the development of criticism in the arts, at the University of Kentucky, Lexington, Ky.
Don Alvaro Leon, associate professor of architecture, to conduct research on the role of ballparks in restoring neighborhoods and civic values.
Helen A. Manfull, professor of theatre arts, to conduct research on the work of leading women directors in Great Britain and the United States.
Douglas R. Marme, associate professor of theatre arts, to study the collaborative process in production, and costume construction and craftwork.
D. Douglas Miller, professor of music, to complete a book on the choral works of seventeenth-century German composer Heinrich Schütz.

Penn State Erie: The Behrend College

Stuart J. Allen, associate professor of management, to develop management-decision tools in inventory management, production scheduling, capacity planning, and quality control, at Welch Foods, Westfield, N.Y.
Harry N. Cunningham Jr., associate professor of biology, to conduct a study on the ectoparasites and nest commensals associated with the white-footed mouse in Beaver County.
Sharon Dale, assistant professor of art history, to complete a study on the Arca di Sant' Agostino in Pavia.
Juan Fernandez-Jimenez, professor of speech, to complete an annotated edition of Pedro de Medina's *Libro de cosmographia*.
John L. Fizel, associate professor of economics, to analyze the effects of the structure of the nursing home industry on the efficiency of operations.
Zachary T. Irwin, associate professor of political science, to conduct research on the foreign policy involvement of the Yugoslav republics since 1968.
Colleen E. Kelley, assistant professor of speech communication, to write a textbook on the theory and practice of citizen communicaton in the United States.
Anthony V. Salvia, professor of statistics, to complete a textbook on quality management and methods.

The Smeal College of Business Administration

David P. Christy, associate professor of management science, to conduct research on buyer-seller relationships in manufacturing firms, quality management programs, and the transfer of simulation technology, at the University of New South Wales, Sydney, Australia.
Kofi O. Nti, associate professor of management science, to conduct research on barriers to market entry and on inventory models, at the London School of Economics.
Gerald I. Susman, Robert and Judith Klein professor of management, to conduct research on the management of the new product development process, at the Harvard Business School.

Commonwealth Educational System

Joseph K. Perry, area representative for Continuing Education (Beaver Campus), to conduct research for a doctoral dissertation in Administrative and Policy Studies at the University of Pittsburgh.

School of Communications

William C. Uricchio, associate professor of film and video and communications, to write a manuscript on German television broadcasting, 1935-1944.

College of Earth and Mineral Sciences

Robert G. Crane, associate professor of geography, to study the regional-scale impacts of global climate change and to write an introductory text on earth system science.
Alan Davis, professor of geology, to examine the major factors that determine coal property variations on a regional and global scale, at the Council for Scientific and Industrial Research, Pretoria, South Africa.
Gregory S. Forbes, associate professor of meteorology, to collaborate on computer workstation-based instruction and on the use of Doppler radar data in short-term weather forecasting for aviation, at the Cooperative Program for Operational Meteorology, Education and Training, Boulder, Colo. and the National Center for Atmospheric Research.
Peter R. Gould, Evan Pugh professor of geography, to conduct research on the geographic and social/intellectual consequences of the Lisbon earthquake of 1755, at the University of Grenoble and the Centro de Estudos Geograficos, Lisbon.
K. Osseo-Asare, professor of metallurgy, to conduct research in gold extraction and in hydrothermal solution chemistry and crystal growth, at the University of Science and Technology, Kumasi, Ghana, and Tohoku University, Sendai, Japan.
Donna J. Peuquet, associate professor of geography, to conduct research on spatial data modeling, at the Commonwealth Scientific and Industrial Research Organization, Canberra, Australia.
Karl E. Spear, professor of ceramic science, to develop theoretical techniques from high temperature chemistry to predict chemical vapor deposition behavior, at the University of Uppsala, Sweden.

College of Education

Eunice N. Askov, professor of education, to prepare case studies on the use of technology in adult literacy programs in English-speaking countries, at The Flinders University of South Australia, Adelaide, and the Adult Literacy and Basic Skills Unit, London, England.
Robert L. Hale, professor of education, to synthesize research on multimedia approaches and develop a plan for integrating multimedia tools into a graduate-level learning environment for teaching statistics.
Charles A. Hughes, associate professor of special education, to conduct research in the area of strategies intervention for mildly handicapped adolescents, at the University of Kansas, Lawrence, Kan.
William G. Tierney, associate professor of education, to conduct research on higher education policy in Latin America, at the National University, Heredia, Costa Rica.
Donald J. Willower, distinguished professor of education, to prepare a manuscript on schools as organizations.

College of Engineering

Ramon Borges, assistant professor of engineering (Altoona Campus), to develop educational software in the area of structural mechanics, at the Polytechnic University of Catalunya, Barcelona.
Indu S. Das, assistant professor of engineering (Shenango Campus), to conduct research on superalloys, at West Virginia University, Morgantown, W.Va.
Tse-yun Feng, Binder professor of computer engineering, to collaborate on a book-length manuscript on parallel processors, at the University of Texas, Austin, Tex.
Gennady Gildenblat, associate professor of electrical engineering, to conduct research on semiconductor device modeling, at the Hebrew University, Jerusalem.
Joseph H. Goldberg, associate professor of industrial engineering, to conduct research on human-computer interface design in nuclear power control rooms, at the Oak Ridge National Laboratory.
Sabih I. Hayek, professor of engineering science and mechanics, to conduct research on radiated noise, structural acoustics, and active vibration control, at the National Institute of Applied Sciences, Lyon, France.
Harold R. Jacobs, professor of mechanical engineering, to develop advanced methodologies for the analysis of multiphase flows, at the University of London, England.
Kwang Y. Lee, associate professor of electrical engineering, to conduct research on a knowledge-based system for reactive and voltage control, at Seoul National University, Korea.
Russell Messier, professor of engineering science and mechanics, to conduct research on the morphology and texture of vapor-deposited thin films, at the University of Granada, Spain.
K. Kirk Shung, professor of bioengineering, to study the use of an ultrasonic color Doppler flow mapping system to investigate hemodynamic phenomena in blood vessels, at the University of Toronto.
Henry J. Sommer III, professor of mechanical engineering, to conduct research on normative osteometric modeling and the application of screw kinematics to human motion, at the National Institutes of Health, Bethesda, Md.

See 'Leaves' on Page 4.

Leaves

Continued from Page 3

Vasundara V. Varadan, alumni distinguished professor of engineering science and mechanics and electrical engineering, to prepare a book on free space methods for electromagnetic material property characterization, at the Indian Institute of Science, Bangalore.
Vijay K. Varadan, alumni distinguished professor of engineering science and mechanics and electrical engineering, to conduct research on lipid helical polymers for application in microwave structural foam, at the Indian Institute of Science, Bangalore.
Jack H. Willenbrock, professor of civil engineering, Bernard and Henrietta Hankin Chair of Residential Building Construction, to conduct research on Quality Assurance/Quality Control in the residential building industry, at the National Association of Home Builders, Washington, D.C., and the Pennsylvania Builders Association, Harrisburg.
Vigor Yang, associate professor of mechanical engineering, to conduct research on ducted-rocket propulsion, at the Chung Shan Institute, Taiwan.

Penn State Harrisburg

Betty C. Fortner, associate professor of education and reading, to conduct research on the effects of individualizing instruction for severely disabled readers.
Erdener Kaynak, professor of marketing, to complete a book on international marketing management and to conduct research on organizational buying behavior in Eastern Europe and the Soviet Union.
Mukund S. Kulkarni, associate professor of finance, to study the financial behavior of firms under an economic regime of constant government intervention, in India.
Kurt H. Parkum, associate professor of management, to conduct research in comparative management and corporate strategies in the Danish furniture industry, at the Copenhagen Business School.
James E. Skok, associate professor of public administration, to write a book which will develop the concept of issue networks into a theory of administrative strategy.
Michael Young, assistant professor of politics and public affairs, to continue collaborative public opinion research on Russian and American student cultures, at Moscow State University, USSR.

College of Health and Human Development

Gordon W. Blood, associate professor of communication disorders, to conduct research in the areas of communication disorders such as laryngeal cancer survivors and stutterers.
Ingrid M. Blood, associate professor of communication disorders, to complete research on middle ear infections in young children.
Judith F. Dunn, distinguished professor of human development, to conduct a longitudinal study of adolescent children, focusing on stability and change in family relationships, at Cambridge University, England.
Larry D. Gamm, associate professor of health policy and administration, to conduct on-site visits to rural health care research units and consult with state policy experts and administrators of rural health organizations.
Alan R. Graefe, associate professor of leisure studies, to conduct research on the recreational carrying capacity of national parks, at the U.S. Waterways Experiment Station, Vicksburg, Miss.
Elizabeth A. Hanley, assistant professor of exercise and sport science, to study traditional Greek dance with emphases on regional differences, historical significance, and future trends, at the Dora Stratou Dance Society and Theatre, Athens, Greece.
Phyllis K. Mansfield, associate professor of health education and women's studies, to conduct research on the efficacy of hormone therapy on menopause symptoms and strategies to enhance psychological adjustment to menopause, at the Oregon Health Sciences University, Portland, Ore.
Robert Plomin, distinguished professor of human development and family studies, to conduct research on the application of molecular genetic techniques to complex behavioral dimensions and disorders, at the University of Wales, Cardiff.
Elizabeth J. Susman, professor of biobehavioral health, human development, and nursing, to participate in a collaborative longitudinal study on the development of crime and antisocial behavior in children and young persons, at Harvard School of Public Health.
Alexander von Eye, professor of human development and psychology, to collaborate on a follow-up project on family systems and adolescent development, and to collect data for a project on self concepts, at Max Planck Institute for Human Development, Berlin, and Michigan State University.
Steven H. Zarit, professor of human development, to continue research on changes in the functional abilities of the oldest old and on the effects of day care on families of Alzheimer's patients.

College of the Liberal Arts

Archibald Allen, professor of classics, to complete a critical edition of the Hellenistic Greek scholar-poet Philetas of Cos, at the Center for Hellenic Studies, Washington, D.C.
William R. Balch, associate professor of psychology (Altoona Campus), to conduct research on music-dependent memory, at the University of Minnesota, Minn.
Alegria Bendelac, professor of French (Schuylkill Campus), to complete a dictionary of Jaquetia, the language of the Sephardic communities of Northern Morocco.
Michael H. Bengal, professor of English and comparative literature, to complete a book on narrative technique in the novels of Vladimir Nabokov.
Alan A. Block, professor of administration of justice, to complete research on the connections between waste disposal firms, organized crime, and state political systems.
Jeannette D. Bragger, professor of French, to conduct research for a textbook on French culture, at the University of Toulouse, France.
Edward A. Brawley, professor of social work, to complete a book-length manuscript on social workers' use of the mass media and to conduct research on comparative social welfare policy, in Spain, Portugal, and the United Kingdom.
Bruce H. Bullington, associate professor of criminal justice, to continue comparative research on drug policies in The Netherlands and the United States.
J. Louis Campbell III, associate professor of speech communication (Altoona Campus), to conduct research on John Hampden Chamberlayne, a newspaper editor in the post-Reconstruction South.
Martin F. Chesin, assistant professor of English (McKeesport Campus), to study the use of the computer as an aid in the teaching of writing.
Priscilla F. Clement, associate professor of history (Delaware County Campus), to write a book titled *Children in the Industrial Age, 1850-1890*.
Clifford C. Clogg, distinguished professor of sociology and statistics, to conduct research on categorical data analysis, at the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif.
Keith J. Crocker, associate professor of economics, to analyze the determinants of price reductions resulting from dual sourcing in military procurement.
Patricia A. Dunkel, associate professor of speech communication, to conduct research in computer-adaptive testing of the listening comprehension of non-native speakers of English.
Lisa P. Faranda, associate professor of English (Berks Campus), to conduct research on the correspondence of American literary scholar Sherman Paul.
James L. Farr, professor of psychology, to complete a book on performance feedback in work organizations, at the University of Western Australia, Perth.
Robert H. Gannon, associate professor of English, to write a book titled *Severe Weather—The Machinery of Storms*.
Mary M. Gergen, associate professor of psychology and women's studies (Delaware County Campus), to complete a book on feminist theory in psychology.
Thomas H. Getz, associate professor of English (York Campus), to conduct research on the implications of romantic pragmatism for modern poetry.
Howard Harris, assistant professor of labor studies and industrial relations, to study class formation and political ideology in Paterson, New Jersey, 1840-1880.
Wendell V. Harris, professor of English, to write a book titled *Eccentric Discourse: The Language of Literary Commentary in London, England*.
Robert E. Hauser, assistant professor of history (McKeesport Campus), to conduct research on Warren G. Harding's attempts to reorganize the Republican Party in Virginia.
Rodger C. Henderson, associate professor of history (Fayette Campus), to complete a biography of John Smilie, a leading Revolutionary War figure from Fayette County.
Helen Hendy, assistant professor of psychology (Schuylkill Campus), to complete two studies on the social learning of eating habits in young people.
Barry W. Ickes, associate professor of economics, to conduct research on the transition process in the reforming socialist economies, at the Charles School of Economics, Prague, and the USSR Academy of Sciences, Moscow.
Natalie Isser, professor of history (Ogontz Campus), to complete a book on Napoleon III and human rights, at the National Archives, Paris.
Nicholas A. Joukovsky, associate professor of English, to complete an edition of the letters of English novelist, poet and essayist Thomas Love Peacock.
Salim Kemal, associate professor of philosophy, to conduct research on Nietzsche's genealogical method, in Cambridge, England.
Jeffrey A. Kurland, associate professor of anthropology, to analyze data on the childhood growth and development and adult parental roles among the Herero pastoralists of Botswana.
Bobby Ellen Kimbel, assistant professor of English (Ogontz Campus), to complete a book on the short fiction of Katherine Anne Porter.
Robert Lima, professor of spanish and comparative literature, to complete two books titled, *Savage Acts: Four Plays by Valle-Inclán*, and *Bons of the Southern Hemisphere: Modern Spanish-American Poetry in Translation*.
Thomas R. Liszka, assistant professor of English (Altoona Campus), to complete an edition of the Lambeth text of the South English Legendary.
Catherine M. Lynch, assistant professor of English (McKeesport Campus), to study the relationship between Armand Berguin's L'Ami Des Enfans and the work of Jane Austen, at the Houghton Library, Harvard University.
Emilia E. Martinez-Brawley, professor of social work, to study the relationship between rural development and social services development in selected sites in Portugal, Spain and the United Kingdom.
J. Paul McRoberts, associate professor of English (Beaver Campus), to conduct research on early Shakespearean theatre (1830-1880) in western Pennsylvania.
George R. Milner, associate professor of anthropology, to complete a book-length manuscript on the Native American Cahokia (Illinois) cultural system, at the Illinois State Museum, Springfield.
Leonard Mustazza, professor of English (Ogontz Campus), to write a book on Kurt Vonnegut's later fiction.
Hart M. Nelsen, professor of sociology, to examine changing rates of church membership and attendance by black and white Americans.
R. Alan Price, associate professor of English and American studies (Hazleton Campus), to complete a book on Edith Wharton's war relief activities in France, 1914-1918, at the Rockefeller Archive Center, North Tarrytown, N.Y., and Yale University.
Michael D. Riley, associate professor of English (Berks Campus), to complete a book of poetry titled *The Lyre Bird*.
Bee-Yan Roberts, assistant professor of economics, to study the relationship between domestic market structure and export and productivity performance in Taiwan's manufacturing sector, 1964-1989.
Lita L. Schwartz, professor of educational psychology (Ogontz Campus), to write a book on the education and development of gifted and talented students.
Marie J. Secor, associate professor of English, to complete a book on the analysis of style.
Joseph V. Tezza, associate professor of economics, to co-author a book titled *Estimation of Qualitative and Limited Dependent Variable Models*.
Jeffrey Walker, associate professor of English, to complete a book titled *Rhetorical Poetics: Studies in the History, Theory and Practice of Poetic Argumentation*.
Arden K. Watson, associate professor of speech communication (Delaware County Campus), to complete data analyses on the effects of cultural constraints on communicative patterns among minority students.
David L. Webster, professor of anthropology, to prepare for publication several studies based on archaeological research in the Copan Valley, Honduras.
Gary S. Webster, associate professor of anthropology (Mont Alto Campus), to write a

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Leaves

Continued from Page 4

book on the Bronze-Iron Age Nuragic cultures of Sardinia.
Bruce Weigl, associate professor of English, to complete a book of poems focusing on the working class aspects and neighborhoods of Lorain, Ohio.
James L. W. West III, professor of English, to complete the authorized biography of novelist William Styron, at Duke University, Durham, N.C.

College of Medicine

John M. Field, asociate professor of medicine and surgery, to participate in an international study of the management of patients with acute myocardial infarction, at John Radcliffe Hospital, Oxford University.
David W. Knutson, professor of medicine, to conduct research on hypertension, at Hofmann-La Roche, Basel, Switzerland.
David R. Larach, associate professor of anesthesia, to investigate the intracellular mechanisms of action of volatile anesthetic agents on vascular smooth muscle, at the Bockus Research Institute, Philadelphia, Pa.
Andrea Manni, professor of medicine, to investigate the role of polyamines in the growth and progression of breast cancer.
Thomas J. McGarrity, associate professor of medicine, to investigate the role of protein kinase C in normal, premalignant and malignant tissues of the large intestine.
Steven A. Meador, assistant professor of medicine, to complete a Master of Public Health degree, at Johns Hopkins University.
Robert C. Vannucci, professor of pediatrics, to gain expertise in analytical techniques related to the biochemical and physiological mechanisms of perinatal brain damage, at the University of Pennsylvania, Philadelphia, Pa.

Eberly College of Science

Nathan N. Aronson Jr., professor of biochemistry, to study the enzyme glycosylasparaginase and its associated gene defect, at the Mt. Sinai School of Medicine, New York City.
Piotr Berman, associate professor of computer science, to conduct joint research on approximation algorithms, learning algorithms, and on-line navigation problems, in Lund, Bonn, and Tel Aviv.
W. Dale Brownawell, distinguished professor of mathematics, to conduct research on transcendental numbers and differential equations, and diophantine problems, at the University of Utrecht, The Netherlands, and the Mathematical Sciences Research Institute, Berkeley, Calif.
Moses Glasner, associate professor of mathematics, to work on wide-angle beam propagation methods and related topics in numerical analysis, at the University of Maryland, Baltimore, Md.
Murat Gunaydin, associate professor of physics, to conduct research on string theory, at the Institute for Advanced Study, Princeton, and the California Institute of Technology.
Alan Horwitz, associate professor of mathematics (Delaware County Campus), to co-author a textbook in mathematical economics.
Wen-ch'ing Winnie Li, professor of mathematics, to co-author a book on number theory, at the National Taiwan University.
Daniel B. Litvin, professor of physics (Berks Campus), to co-author a book on mathematical crystallography, at the Institute of Physics of the Czechoslovak Academy of Science, Prague.
Przemyslaw Maslak, associate professor of chemistry, to study initio and semiempirical methods for calculating the structure and reactivity of organic molecules, at the University of Erlangen-NHrnberg, Germany.
C. Robert Matthews, professor of chemistry and Eberly Family professor of biotechnology, to study protein crystallography techniques, at the University of California, Berkeley, Calif.
Julian O. Maynard, distinguished professor of physics, to study the effects of nonlinearity, chaos, and soliton propagation in disordered systems, at the IBM Thomas J. Watson Research Center, Yorktown Heights, N.Y.
Lothar H. Redlin, associate professor of mathematics (Ogontz Campus), to conduct research on rings of continuous functions and bases for topological algebras, at California State University, Long Beach, and McMaster University.
Ann Schmiedekamp, associate professor of physics (Ogontz Campus), to conduct research on the reactivity of potential anti-cancer drugs, at the National Cancer Center, Frederick, Md.
Gerald A. Smith, professor of physics, to conduct research on subcritical fission with antiprotons and on charmonium spectroscopy with antiprotons, at Kirtland Air Force Base, Albuquerque, New Mexico, and Fermilab, Batavia, Ill.
Clarence E. Wayne, professor of mathematics, to conduct research on partial differential equations and the application of dynamical systems theory, at the Institute for Advanced Study, Princeton.
Frederick C. Wedler, professor of biochemistry, to study the enzymes glutamine synthetase and mutant forms of aspartate transcarbamylase, at the Center for Neurochemistry, Strasbourg, France, and Boston College.

University Libraries

Bruce O. Bonta, senior assistant librarian, to compile a bibliography on *"Peaceful Peoples."*

Avoiding conflicts of interest important for University personnel

Editor's Note: This is the last of four articles highlighting changes and important issues contained in the new "Intellectual Property, Technology Transfer and Entrepreneurial Activity Policies and Procedures" document. The articles were prepared by members of the Intellectual Property and Entrepreneurial Activities Committee, a subcommittee of the Administrative Committee on Research (ACOR).

Entrepreneurial Activities/Conflicts of Interest

The following excerpt from the *University Policies Governing Technology Transfer and Entrepreneurial Activities*, approved by the Board of Trustees in July 1990, covers entrepreneurial activities by University personnel.

The University recognizes company formation as one of the many mechanisms for utilizing its knowledge for the benefit of society. For purposes of discussion, a University personnel company is an enterprise, either commercial or not-for-profit, in which one or more University personnel have a proprietary or other significant interest, pecuniary or otherwise. Contractual relationships with such companies can pose potential conflicts of interest. The following issues should be addressed when considering entrepreneurial activities:

■ The potential for conflict of interest and/or commitment exists when University personnel exercise preferential access to knowledge and/or University resources for personal gain.

■ The appropriate framework for University personnel involvement in enterprises, either commercial or not-for-profit, has to be evaluated on a case-by-case basis in concert with deans, department heads, program and center directors, office directors, etc. ("cognizant university administrators").

■ To avoid conflict, there should be a clear separation between the time and effort devoted to University duties and those associated with involvement in personal enterprises.

The following are general guidelines dealing with issues that often arise when University employees become involved in such activities:

■ The utilization of University resources (laboratory facilities, students, clerical and service staff support, etc.) to benefit a private individual, organization, or commercial entity should be cleared and documented with cognizant University administrators.

■ Arrangements should be covered in a memorandum-of-understanding which clearly stipulates the extent and nature of facilities utilization, and establishes use charges based on the cost to the University of maintaining said facilities.

■ In principle, University personnel companies or consultants should not have access to University facilities beyond that available to similarly qualified, non-University entrepreneurs.

■ The involvement of University human resources, particularly students and staff, in University personnel company activities should be undertaken with caution; arrangements require the full knowledge and approval of cognizant University administrators, and should be codified in a memorandum-of-understanding.

■ University personnel must avoid even the appearance of directing students into research activities which serve their own personal interests at the expense of scholarly achievement.

■ Work performed by University personnel for a University personnel company, involving expertise for which University personnel are employed by the University, should not conflict with the mission or capabilities of the University.

■ Safeguards must be instituted on a case-by-case basis to ensure that the performance of University duties and the scholarly mission of the University are not compromised by entrepreneurial activities.

> **The potential for conflict of interest exists when University personnel exercise preferential access to knowledge or University resources for personal gain.**

■ The Office of the Associate Vice President for Research and Technology Transfer should be contacted to assist in discussions on University personnel entrepreneurial activities.

See related item in Faculty/Staff Alerts on Page 12.

25-year award recipients

Observing 25 years of service at the Penn State McKeesport Campus are, from left, Dorothy Adams, secretary C, Continuing Education; Evelyn A. Hovanec, director of academic affairs; Joseph K. Puthenpurayil, associate professor of chemistry; Richard F. Reynolds, assistant professor of mathematics; Merwin L. Weed, professor of engineering.

News in Brief

Aging in Australia
Marie Colman, first assistant secretary for policy development, the Australian Department of Health, Housing and Community Services, will speak on "Social Care Policy for the Aging in Australia: Some Current Developments," at 2:30 p.m. Tuesday, Feb. 11, in the Paul Robeson Cultural Center at University Park.

The event is sponsored by the Social Work Program, the Department of Public Administration, and the Australia-New Zeland Studies Center. It is free to the public.

A senior official in the Australian Government, Ms. Coleman has overseen or been directly involved in a number of major reviews of national policy affecting services to the aging in Australia during the past twenty years. She is currently on leave to the Australia-New Zealand Studies Center where she is senior visiting fellow focusing on cross-national studies in social policy.

Parenting classes
The Individual and Family Consultation Center, in cooperation with the Cedar, Discovery, Room to Grow, and Bridge for Learning day care centers will offer 12-session parenting classes at University Park for parents of children up to age 12.

Classes will be held on Mondays and Wednesdays during the lunch hour, (noon to 1 p.m.), and will start the last week in January. Interested persons may call 865-1751, 863-0267, or 231-1356. Evening classes will be held in Bellefonte and State College.

For further information about these classes, call 865-1751.

Award nominations sought
The Returning Adult Student Center at University Park is now accepting nominations for its Outstanding Adult Student Award.

Faculty, staff and currently enrolled adult students at Penn State may nominate an adult student who has overcome obstacles and multiple roles to further his or her education; served as a role model for other adult students; maintained high academic achievements; sensitized the University to adult students' needs; and clearly defined short- and long-term educational goals.

Nomination packets may be obtained by calling (814) 863-3887 or visiting the center at 323 Boucke Building. Completed packets must be returned to the center by Feb. 14.

Penn College enrollment
At the end of the first full week of classes, Pennsylvania College of Technology's spring semester enrollment figures show a 10 percent increase over last spring. The number of full-time equivalent students currently enrolled is 3,929 -- an all-time high for spring semester.

The College has achieved a cumulative spring semester enrollment increase of 52 percent since 1987.

25-year award recipients

Also observing 25 years of service at the University are, from left, Wendie G. Cable, secretary; John C. Marshall, director of field services, and Gary B. Stover, television production specialist, WPSX, all in Continuing Education at University Park; Jerome Curry, assistant professor of English at the Penn State Mont Alto Campus, and Clovis E. Rockey, roofer, carpenter, Office of Physical Plant.

Number of vehicles on campus grows

Parking Office discusses status of work and future plans for expanding spaces at University Park

More than 2,000 parking spaces have been added at University Park since 1987 when parking fees were first implemented by the University to help fund a solution to the critical space needs of the campus.

Officials in the Parking Office report that through meetings with faculty, staff and students they continue to plan new directions for their efforts — even as the number of vehicles registered on campus continues to grow each year.

"We don't have a stationary target we can aim at because of the explosion of students at University Park during the 1980s and the ever increasing number of faculty and employees who must accompany the rise in student needs," said Dave Stormer, assistant vice president for Safety and Environmental Services. "As the number of available parking spaces has increased on campus and in the local community, the number of people with vehicles to park has grown."

"There are now a total of nearly 8,000 faculty/staff parking spaces available at University Park as opposed to about 6,000 spaces in 1987," he said. "Still, the demand, particularly in specific areas such as west campus, continues to present problems at some times of day."

Overall, Mr. Stormer said the campus has nine parking spaces available for every 10 registered vehicles, considered a low ratio since not every one comes on campus every day of the week and at the same times of day.

"That progress aside, concerns continue to be expressed about the availability of spaces in certain areas, and student parking in particular presents difficult problems to solve," he said. "We obviously can't outlaw vehicles on campus; we can't pave over every piece of green space, and we can't give everyone a parking space directly outside their office doors. What we can do is provide, in the majority of cases, a wide range of solutions for people to pick and choose from to suit their needs and interests."

In 1987, 67 percent of University employees registered vehicles for campus parking. Today that figure has increased to 70 percent.

There are a number of tentative plans on the drawing board that have been developed in concert with parking and traffic flow experts, as well as with input from every level of the University community. These plans may change as other needs and changes occur on campus, but at this point the plans include:

1) A terrace parking structure is planned for the HUB lot, Brown F, providing 350 spaces.

2) An expansion of the Kern/Keller parking terrace, providing 500 spaces to make up for the loss of 230 spaces in that area of campus, primarily from construction of the Mateer Building as well as the expanded Nittany Lion Inn. Additional spaces in that area will be lost with the planned expansion of the Music Building and Pattee Library.

3) A surface lot is planned to expand Red A west of Atherton Street near the golf course. This will provide 300 new spaces. Some measures have been taken in an attempt to relieve pressure on this lot, but more expansion is necessary as space becomes available.

4) An expansion of Lot 44 near Beaver Stadium will provide 600 new spaces which can be used during the day by students and employees and would be available in the evening for events at the new academic/athletic convocation and events center.

5) A surface lot south of Shields Building will provide 200 parking spaces.

The parking office is a self-supporting operation primarily funded by registration fees. Those funds are used to support the construction of new parking facilities, the maintenance of current parking facilities, and the operation of the office.

"One of the reasons more employees are registering vehicles for parking privileges is that the cost is low when compared to alternatives and when compared with similar institutions," Mr. Stormer said. Free parking is available in the Park & Pool lot near Beaver Stadium, about a block from the free Commuter Express shuttle, but few people are taking advantage of it.

Employees also can take advantage of the student commuter rate for parking, $30 a semester, if they use Lot 44, which is served by the free Commuter Express shuttle.

Free parking is available in the Park & Pool lot near Beaver Staduim, about a block from the free Commuter Express shuttle, but few people are taking advantage of it.

UNIVERSITY PARK PARKING OPTIONS

1) Student lots	$30 per semester
2) Park & Pool lots	Free
3) Faculty/staff lots	$8-12 per month, depending on location
4) Downtown garages	$54 per month
5) Downtown lots	$45 per month

Penn State employees who drive their own vehicles to work at University Park have a wide range of parking options available to them.

PARKING FEES TO DATE HAVE PAID FOR THE FOLLOWING:

1) Kern/Keller parking terrace	520 spaces
2) Parking garage behind Eisenhower Auditorium (under construction)	820 spaces
3) Free park & pool service	
4) Expansion of parking area at Beaver Stadium	1,300 new spaces
5) Expansion of Mitchell, Pollock Area, Eastview Terrace, East Halls, Rec Hall and Ice Rink lots.	250-plus spaces
6) Commuter Express shuttle	

Parking fees at Penn State were instituted much later than at other institutions. Since 1987 the funds collected through the parking fees have helped to provide thousands of new parking spaces.

Focus on the Arts

"Bust of a Bishop'

"Bust of a Bishop," a sculpture from the Palmer Museum of Art's permanent collection, will be on view in the lobby of the Allen Street and Calder Way branch of Peoples National Bank during February.

The exhibit is part of "Art to Go," an exhibition of pieces from the Museum's permanent collection sponsored by the Friends of the Palmer Museum of Art.

The limewood bust of a bishop probably was created to house a relic of the man it depicted. That object and the objects once held in the sculpture's hands are missing, making it difficult to identify what bishop the sculpture represents. It has been suggested that the bust is of Saint Ulric, Bishop of Augsburg (born 893), because of his popularity as a patron saint in southern Germany in the early 16th century.

As part of "Art to Go," a different object is exhibited each month, complementing "The Permanent Collection: From Floor to Ceiling" exhibition, on view in the second floor of the museum. Both exhibitions are free to the public.

Schwab box office

The box office in Schwab Auditorium at University Park will be open Monday through Friday, 9 a.m. to 4 p.m., beginning Monday, Feb. 3.

Tickets to events sponsored by the Center for the Performing Arts and other selected events will be available from both the Eisenhower Auditorium Ticket Center and Schwab Auditorium box office.

Telephone orders will continue to be processed through the Eisenhower Auditorium Ticket Center, (814) 863-0255, Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Poet to read work

Carolyn Forche, poet, will present selections of her work at the first of three readings of Penn State's Writers Reading Series at 8 p.m. Thursday, Feb. 6, in 305 HUB at University Park.

Ms. Forche has published two books of poetry, A Gathering of Tribes, selected for the Yale Younger Poets Prize in 1976, and The Country Between Us, which won the Lamont Poetry Prize in 1981. She also has translated the works of exiled Salvadorian poet Claribel Alegria in Flowers From the Volcano. She is now working on a new volume of poems, The Angle of History

Corolyn Forche

Her reading is sponsored by the Institute for Arts and Humanistic Studies and the Department of English.

The second reading will feature Elena Castedo, novelist and translator, at 8 p.m. Wednesday, march 18, in 101 Kern.

Limon Dancers

The Limon Dance Company, one of the world's senior modern dance companies, will perform at 8 p.m. Saturday, Feb. 8, in Eisenhower Auditorium at University Park.

The evening's program will include three works: "Tanzlieder," choreographed by Annabelle Gamson; "The Unsung," choreographed by Jose Limon; and "Retablo," choreographed by Carlos Orta.

A company member will discuss the evening's program at 7 p.m. in the Greenroom of Eisenhower Auditorium as part of the free lecture series, Artistic Viewpoints.

Tickets are $16 and $13 for adults; $12 and $9 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center.

Centre Dimensions

Centre Dimensions, the University's jazz band, will perform in concert with guest soloist Frank Mantooth at 8 p.m. Wednesday, Feb. 12, in the School of Music Recital Hall at University Park.

In addition to selections featuring Mr. Mantooth, the evening's program will include "Moten Swing," from the Basie library; "As It Was," an original by Dan Yoder, director and School of Music faculty member; "Donna Lee," "Magic Time," by West Coast composer Bob Florence, and others.

Lamont O'Neill will make his debut appearance as Centre Dimensions' new vocalist, performing works including Harry Conick's "It Had To Be You."

Mr. Mantooth, currently one of the leading composers of big band music, is a pianist, composer and arranger. He will be in residence Feb. 11-14, leading seminars for composition and jazz students in the School of Music. Phi Mu Alpha has commissioned him to compose a piece that will be premiered by Centre Dimensions in April.

Tickets to the performance are $3 and may be purchased at the door or in advance in 112 Music Building.

Spring valentines

For the third consecutive year, the Dreamers, a male a cappella vocal ensemble from the School of Music specializing in music from the '50s, will present singing valentines on Feb. 12, 13 and 14.

The Dreamers will perform a two-song serenade for your special someone anywhere in the State College area. The group's repertoire includes "In The Sill Of The Night," "Come Go With Me," "All I Have To Do Is Dream," "Love Me Tender," "Surfer Girl," "Unchained Melody," "Earth Angel" and "You've Lost That Lovin' Feelin'."

Singing valentines are $10. All proceeds will be donated to Phi Mu Alpha Sinfonia, a professional fraternity for men in music, to benefit music performance and music education at Penn State. Orders for singing valentines may be placed now through Feb. 13 by calling 867-1441. In addition, orders will be taken at a table downstairs in the Hetzel Union Building Feb. 10 through 13.

Flute ensemble

The Penn State Flute Ensemble will perform in concert at 12:10 p.m. Thursday, Feb. 13, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include works written or transcribed for flute ensembles and performed by groups ranging from trio to full flute choir.

The Penn State Flute Ensemble, directed by Eleanor Duncan Armstrong of the School of Music faculty, consists of 15 undergraduate and graduate music majors. The group performs works scored for C-flute, piccolo, alto flute and bass flute.

Composer Frank Mantooth will perform at 8 p.m.Wednesday, Feb. 12, with Centre Dimensions the Penn State Jazz Band

Low brass recital

Mark L. Lusk, assistant professor of low brass in the School of Music, will perform in concert at 8 p.m. Thursday, Feb. 13, in the School of Music Recital Hall at University Park.

The program will include Unaccompanied Suites of J.S. Bach; contemporary works by Hartley and Jacob, and a Duke Ellington medley performed by Mr. Lusk on bass trombone, tenor trombone and euphonium. He will be assisted by John Davis, a senior music education major, and Joseph Skillen, a graduate student in the low brass studio.

The concert is free to the public.

Hamlisch to perform

Three-time Academy Award winner Marvin Hamlisch will perform in concert at 8 p.m. Friday, Feb. 14, in Eisenhower Auditorium at University Park.

In addition to three Academy Awards, Mr. Hamlisch has garnered three Grammy Awards, a Tony Award, a Golden Globe and a Pulitzer Prize. He is best known for his movie scores, "The Swimmer," "The Way We Were," "The Sting," "Three Men and a Baby" and, most recently, "Frankie and Johnny."

He has composed two Broadway musicals, "A Chorus Line" and Neil Simon's "They're Playing Our Song," as well as symphonic works.

For tickets, priced at $25, $21 and $19 for adults; $21, $17 and $15 for students, call the Eisenhower Auditorium Ticket Center.

The arts on Channel 3

A lively and literate hour of conversation between an award-winning interviewer and one of America's most esteemed, and controversial novelists, essayists, and wits is presented in Dick Cavett with Gore Vidal, a new one-hour special airing at 9 p.m. Friday, Jan. 31. The program provides fascinating insight into the ideas and motivations of the best-selling writer.

See 'Arts' on Page 10.

Penn State Alumni Association

A letter from the executive director

Keep the pride alive

This month the Alumni Association kicks off The Pride of Lions Membership Drive to raise our membership to 120,000 by 1995. Currently, our membership boasts 109,000 proud Penn Staters. Yes, the majority of these Penn Staters are alumni, but our membership also includes parents, friends, faculty and staff. Anyone who cares about Penn State can be a member of the Alumni Association.

Why would you want to be a member of the Alumni Association?

Your membership is a way to give something back to the University. Through it you touch others – with scholarships and fellowships, with the Alumni Fellow and Teaching Fellow awards, with continuing education through Alumni College and professional seminars. Through it you can support the nationwide network of Penn State clubs and the constituent societies in each academic college.

Your membership brings you *The Penn Stater* magazine and *The Football Letter*.

Like those Nittany Lion license plates you see around town and campus? A membership in the Alumni Association makes you eligible to purchase one for your car.

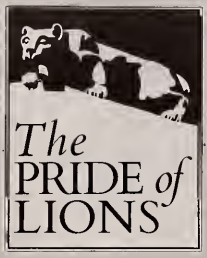
Find out more about us and our programs by reading this supplement to the *Intercom*. And then join the ranks of Penn State proud members of the Alumni Association.

If you are not an alumnus or alumna, join as an associate member.

If you are already an annual member, consider becoming a life member. You can join on our installment plan or take advantage of our payroll deduction plan. As a special benefit to faculty and staff, we arranged with the Payroll Office for any employee who so desires to be able to take advantage of payroll deduction. Let us know you are interested, and we will send you the information.

Be Penn State proud. Keep the pride alive by joining the Pride of Lions – the Penn State Alumni Association.

Peter B. Weiler
Executive Director



About this insert...

This special insert to *Intercom* was sponsored by the Penn State Alumni Association, 105 Old Main, University Park, PA 16802. For additional information about the Alumni Association or any of its programs, call (814) 865-6516. Coordinator for the insert was **Marjory J. Sente**, business manager for alumni communications. The writer was **Felicia Thibeault Mulley**, contributor to *The Penn Stater*, and design and layout were done by **Lisa Rosellini**, assistant editor for the *Intercom*.

Penn State Alumni Fellows are leaders in their fields

The Alumni Fellow Award is the highest honor given by the Alumni Association. It is administered in cooperation with each of Penn State's academic colleges and has received great prestige and visibility since its establishment in 1973. The award is given to select alumni/ae who, as leaders in their fields, are nominated by an academic college and accept an invitation by the president of the University to return to share their know-how with students, faculty and administrators. The award provides a dimension to the academic curriculum not otherwise available in the traditional college classroom. The Board of Trustees has designated the Alumni Fellow title as

See 'Alumni Fellow' on Page 3a

Imparting their knowledge to students are 1991 College of Arts and Architecture Alumni Fellows Robert W. Wolff (standing left) and Louis D. Astorino (standing right).

The Teaching Fellow Award: Recognizing teaching excellence

As part of its $1-million pledge to The Campaign for Penn State, the Alumni Association has donated $250, 000 to endow the Teaching Fellow Award. It is among the highest teaching honors awarded by the University and is the only one presented by the Alumni Association. It recognizes one outstanding faculty member each year.

Established jointly by the Alumni Association, the Undergraduate Student Government and the Graduate Student Association, the Teaching Fellow Award honors distinguished teaching while providing encouragement and incentive for teaching excellence at Penn State.

The award includes a cash prize and release time to permit the fellow to share his or her expertise throughout the University community. Year long responsibilities of the Teaching Fellow may include such activities as participating in workshops and symposia, giving lectures or presentations on teaching techniques, taking part in discussions with students in the University Scholars program and teaching honors courses.

Dr. George B. "Ben" Kleindorfer, professor of quantitative business analysis in The Smeal College of Business Administration, was the 1991 Teaching Fellow.

"One thing I really appreciate is that the Alumni Association gave the award without placing any conditions on it," he says. "I was very moved by that, so I just went out and did everything I could."

Kleindorfer's "everything" included numerous visits to campuses other than University Park. His extensive travel throughout the University system was self-initiated.

"Nobody told me to do that," he says, stressing that he felt it was important to use part of his release time to visit his colleagues. "I was pleased with the seriousness of the campuses about teaching," he concludes.

In his discussions with colleagues throughout the Penn State system, Kleindorfer found the tensions between teaching and research to be a common concern.

The Alumni Teaching Fellow Award is "so important," says Kleindorfer, because it "keeps the pressure up on the importance of teaching."

Alumni Association members make important contribution by helping to provide financial assistance to deserving students

Perhaps the most important contribution an Alumni Association member makes to the future of the University is providing the financial means for a scholar, otherwise unable to do so, to attend Penn State. For years, the Alumni Association has been hard at work opening Penn State's doors to deserving students, through Penn State Club Scholarships, Alumni Memorial Scholarships and, most recently, Alumni Association Scholarships and Graduate Fellowships.

Scholarships, as well as specific college and campus academic funds, are the chief recipients of the $15 million that alumni contribute each year through the Annual Fund. More than 44 percent of Alumni Association members have contributed to the Annual fund in the last two years.

Penn State Club Scholarships

The first Penn State Club Scholarship was endowed in 1926 by a group of State College alumnae. Under the University's careful management, their gift has continued to grow, and will benefit students for generations to come. The spirit of their generosity flourishes too, kept alive by today's Penn State Clubs.

Inspired by the words of Ben Franklin — "An investment in knowledge pays the best interest" — Penn State Clubs from coast to coast have raised thousands of dollars in "hometown" help to send students from their local areas to Penn State. More than ninety clubs contribute financially to Penn State and more than sixty are involved in scholarship giving. As of June 1991, the combined Penn State Club Scholarship endowment totaled $409,000 — an increase of 72 percent from the previous year. Each year, numerous Penn State students receive endowed Club scholarships or direct grants from Penn State Clubs in their local areas.

Alumni Memorial Scholarships

The Alumni Memorial Scholarship fund was established in 1953 by **Ridge Riley '32**, then-executive secretary of the Alumni Association, in honor of Penn Staters who had given their lives in defense of their country. Its purpose — then as now — was to bring outstanding students to Penn State.

Alumni Memorial Scholarships, many named for specific Penn State alumni/ae, go to support academically gifted students involved in the University Scholars program. Over the years, more than 600 students have benefited from Alumni Memorial Scholarships, including sixty-nine during the 1991-92 school year who were awarded a total of $137,350.

Alumni Association Scholarships and Graduate Fellowships

As part of a $1-million pledge to The Campaign for Penn State, the Alumni Association over the past five years has donated $375,000 to endow the Alumni Association Scholarships and an equal amount to endow the Alumni Association Graduate Fellowships. Like Alumni Memorial Scholarships, the Association scholarships and fellowships reward academic achievement.

Since their launching, Alumni Association Scholarships have been awarded to seventeen students. During the 1991-92 academic year, nine promising scholars received a total of $12,600.

A Real Difference

The scholarships endowed by Alumni Association members have made a real and lasting difference in the lives of hundreds of Penn Staters. As a result of such programs, many scholars have gone on to become doctors, lawyers, teachers and engineers, and some have returned to enhance the Penn State faculty and staff.

"I don't think I would have been able to come to Penn State if not for this aid," wrote one Alumni Memorial Scholar. "With the cost of college education rising every year, this program and others like it are all that keep higher education from being an opportunity only for the rich."

Alumni are valuable resource for students and faculty

The "real world"...
No other image is as exciting, challenging — or terrifying — to the Penn State student. No other question is more frequently asked than, "What's it like out there, and where do I fit in?" And no one is better qualified to answer that question than a Penn State alumnus/a.

Alumni/ae are the most tangible link between Penn State students and the world beyond campus boundaries. They have the power to inspire, challenge and reassure, to show students what is possible and to give them a glimpse of their own futures.

Penn State colleges and campuses are putting this resource to good use, teaming with alumni/ae to enrich the classroom experience. Exciting things are happening throughout the University; here is a sampling:

College of Arts and Architecture

The College of Arts and Architecture Alumni Society is one of many that each year holds a career fair for students. Last October, approximately 100 A&A seniors attended the Career Consultation Fair organized by the college's Alumni Board. Students met with 12 members of the board to ask questions about life after college. The alumni/ae offered advice about how to prepare for a job interview, what to include in a portfolio and what to expect in the workplace.

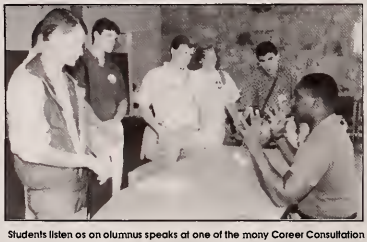
College of Education

In response to needs expressed by students, the College of Education Alumni Society will soon pilot a project for student teachers in the Norristown and Reading areas. Education alumni/ae in these areas have been asked to volunteer such services as one-semester housing, area orientations, social contacts, job-networking and problem-solving to student teachers.

College of Health and Human Development

The College of Health and Human Development's health policy and administration department only recently collected the 25 signatures necessary to found its own Affiliated Program Group, but the department already is hard at work to develop and strengthen ties between alumni/ae and current students.

Keith Benson '91, coordinator of the department's master's program, reports that alumni/ae are invited to review the curriculum and give guidance at least once a year. Their presence provides a valuable opportunity for faculty and students to make professional contacts and allows alumni/ae to recruit students.



Students listen as an alumnus speaks at one of the many Career Consultation Fairs held to provide a glimpse at the "real world."

Alumni/ae also help HPA students through career development programs where they review résumés, discuss professional development and provide contacts for job placement. Faculty frequently invite alumni/ae into their classes as guest lecturers.

Worthington Scranton Campus

Begun in spring 1991, Worthington Scranton's enormously successful Alumni Mentor Program has become a model for other campuses and colleges.

Sponsored by the Worthington Scranton Campus Alumni Society in cooperation with the Campus Honors and Educational Opportunity programs, and initially funded in part by the Penn State Alumni Association, the project pairs local Penn State alumni/ae with current campus students according to career interests in order to increase the student's knowledge of his or her intended profession. Students have an opportunity to tour their mentors' employment sites, attend professional meetings and, with their mentors' help, develop a network of professionals employed in their area of interest. To date, 50 Worthington Scranton Campus students and Penn State alumni/ae have participated in the program.

The Alumni Mentor Program has attracted the attention of other Penn State campuses. DuBois Campus already has instituted a program based on the Worthington Scranton model.

Shenango Campus

Penn State Shenango Campus is responding to continuing concerns among educators and the science and engineering work force about the low representation of women in today's college science and mathematics classrooms. It has developed a program that encourages eighth-grade girls to explore their career and personal self-concepts. The program gives these girls role models, hands-on experience in CAD and science labs, and workshops on work-force realities.

The Shenango project allows Penn State women enrolled in science and engineering to be role models themselves, working with the eighth-graders alongside alumna counterparts. Such a partnership not only benefits the girls, but provides valuable out-of-class experiences and professional contact opportunities for the Penn State students.

Co-sponsoring the program are **Sharon Luck**, director of the Women in Engineering Program at University Park, and Joyce Holzhauser, sex-equity coordinator for the Midwestern Intermediate Unit IV.

None of these programs would have succeeded if not for the willingness of Penn State alumni/ae to volunteer their time and knowledge.

Alumni fellow

Continued from Page 1a

permanent and lifelong.

When this year's Alumni Fellows are named, they will become the 20th class so honored by the Alumni Association and will join the ranks of such illustrious Penn Staters as Nobel Prize winner **Paul Berg '48**, CNN White House correspondent **Charles Bierbauer '66, '70g**, and newly appointed Commerce Secretary **Barbara Hackman Franklin '62**.

But for all its prestige, the Alumni Fellow Award is much more than a ceremonial title; it is a "working" relationship between the Fellow and the honoring college.

The Fellow's stay is a very special sort of homecoming which may last two to five days or more. During that time, Fellows participate in classes, informal discussions and public lectures. And frequently, they explode cherished myths of success. Often they hand out practical advice on how to acquire necessary skills. Sometimes they turn students around and point them toward unconsidered goals. Unfailingly, they stimulate thought, debate and action.

Case in point: Before arriving on campus for their visit as 1991 Arts and Architecture Alumni Fellows, **Lou Astorino '69**, president, L.D. Astorino & Associates Ltd., and **Robert Wolff '63g**, president, Artec Consultants, Inc., issued a challenge to faculty and students: design a model for a theater to be located in downtown Pittsburgh.

Five architecture students accepted. They presented their designs to theater and architecture students and faculty during the Alumni Fellows' visit.

Astorino and Wolff critiqued the designs, as did students and faculty from both departments. The project brought together, from two very different disciplines, people who rarely have the opportunity to interact with one another and challenged them to look at things from a different point of view.

Last year's College of the Liberal Arts Alumni Fellow also defied the status quo. When **Ellen A. Warren '69**, White House correspondent for Knight-Ridder Newspapers, visited campus, she met with students, dined with the University president and lectured former Teaching Fellow Marie Secor's class on the "problems of style." And then she turned the traditional student-teacher relationship on its ear — giving the class a chance to practice what they had learned by critiquing her work.

Clubs 'bring Penn State to you'

Penn State Clubs have long been one of the most popular ways for alumni/ae and friends to work together for the glory of Penn State. Charged by the motto, "We Bring Penn State to You," 179 clubs across the country and around the world offer Penn Staters a chance to share in collegiate camaraderie while serving the University and their local communities. But Penn State Clubs are not just for alumni/ae whose pursuits have led them far from the arms of their alma mater. Clubs are also for those who never really left, those who have returned as faculty or staff, and those who never attended the University but whose talents contribute so much to its well-being.

"What really attracted me to the club was that it was open to all people interested in supporting Penn State," says **U.B. Bakker**, former Centre County Club board member and associate professor of agricultural and extension education. "I am not an alumnus, but the clubs don't discriminate. They provide an opportunity for faculty to contribute beyond their regular teaching, research and cooperative extension functions. They also provide a chance to meet with other faculty, staff and friends that you otherwise would not have the chance to meet."

Like U.B., **Jerome Itinger**, a contract and proposal specialist in the office of sponsored programs, was never a Penn State student, but has found a place in the Centre County Penn State Club — as its treasurer. Jerome and his wife, **Kathy**, head secretary in the department of comparative literature and an award-winning volunteer, also are associate life members of the Alumni Association. "Though neither of us are graduates," says Jerome, "we've been up on Penn State for a long time. The Centre County Club offers a lot of diverse programs and enlightens members about what Penn State provides."

With 700 members, the Centre County Club is one of the largest Penn State Clubs; it's also very active. Its many service programs include:

❒ A reception and tour for international students.

❒ An information /welcome booth at Beaver Stadium for visiting football fans.

❒ The establishment and continued financial support of the Emergency Grant Fund for Centre County Penn State students who require emergency assistance to pay for books, rent, tuition, etc. in order to stay in school.

❒ An annual phonathon to congratulate high school students on their acceptance to Penn State.

For her dedication as chair of the freshman recruitment program, club member **JoAnn Shore** was awarded the first Joan A. Fenton award as the Pennsylvania Leader of the Year.

But it's not all service. Penn State Clubs offer many social activities as well. This year, the Centre County Penn State Club is offering a tour behind the scenes at Pattee Library, an ice skating extravaganza, a dinner-theater party, a bus trip to the Rutgers football game, an annual meeting-dinner, and a tour of University Park central food preparation facilities.

The alumni data base: keeping in touch with friends

Whatever happened to . . . the president of the Class of '67 ... the All-American football player . . . the star of the 75th anniversary Thespian show? Chances are, Alumni/Development Information Systems has the answer. A repository for some six and a half million bits and pieces of information, it is the University's primary source of data about Penn State alumni/ae and friends — and the best way of keeping in touch with them.

The system contains names, addresses, phone numbers, employment information, association activities, degrees, majors, and other relevant data on more than 365,000 alumni/ae and 126,000 friends. And with each commencement ceremony, thousands more records are added. Keeping them up-to-date is the responsibility of Alumni Association staff members.

It's quite a challenge. "One-fifth of the U.S. population moves every year," says **Tom Moore**, assistant executive director for alumni services. And Penn State's alumni/ae population is no exception. That translates into 70,000 address changes that the Alumni Association must process and record each year — more than 1,300 each week. And addresses are only one of the numerous data elements that are tracked.

The purpose of such meticulous record keeping is simple: communication.

Like a cherished address book brimming with names, the data base helps members of the University community — past and present — keep in touch with one another. The information is made accessible to faculty, staff and alumni/ae through operators at more than 300 terminals throughout the University. Special searches, called "selects" and based on such information as college, date of graduation or Greek affiliation, generate customized lists and labels that target specific audiences.

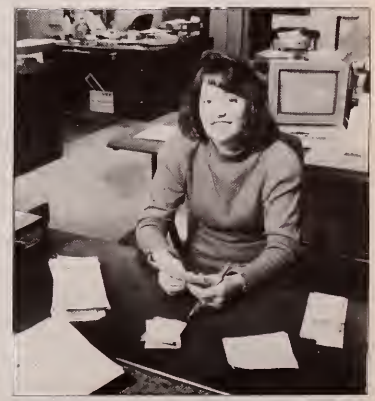
Last year, more than 10,000 selects were run, most of them for University mailings —including the 1.5 million pieces of correspondence sent by the Alumni Association. The system's impressive accuracy rates of 99 percent for all zip codes and 96 percent for zip +4s, allow University organizations to take advantage of money-saving postal incentives. And its ability to produce personalized correspondence makes even the largest mailing more friendly.

The data base also provides information for club lists and college directories.

A demographic treasure trove, the data base is a boon to researchers. And though it is carefully safeguarded against misuse by outside interests, the information is sometimes shared, most recently with the National Science Foundation.

Then there are those whose interests are more sentimental than scientific. The Alumni Association frequently receives calls from alumni/ae trying to locate old friends. Association staff generally oblige, though sometimes it requires a bit of sleuthing. Some of the more unusual requests for information have involved tracking down old flames with forgotten names and identifying the owner of a class ring, using only the initials and other clues engraved in the band.

"When it comes to information on Penn State alumni/ae," says Moore, "this is it."



Sherry Emigh, membership recorder, works hard to keep data about Penn State alumni/ae accurate, up-to-date and complete.

Penn State plates:

Your license to ROAR

What shows your Penn State pride wherever you drive, is more permanent than a bumper sticker and has more presence than a window decal?

A Penn State Alumni Association license plate. And if you are a member of the Alumni Association, you are eligible to purchase one — whether or not you ever attended classes here.

Since they were first introduced in January 1986, more than 11,673 lion-emblazoned Penn State plates have taken to the road in Pennsylvania. That makes ours the most popular special organization plate in the Commonwealth, far outselling those associated with other Pennsylvania universities — including Pitt and Temple.

Any car or small truck weighing under 9,000 pounds and registered in Pennsylvania to a member of the Alumni Association qualifies for a Penn State plate. All proceeds go to the state for road maintenance, but Penn State benefits from the visibility such plates provide, and so will you! When you show your pride with a Penn State plate, you'll discover that you're among fans — and friends — wherever you roam.

You'll join people like **Jane Marlowe**, a secretary for the Alumni Association and an associate member of the Association. Jane never attended Penn State as a student, but in her eight years of service to the University, she has spent more time here than most students ever do. She was part of the team that made the plates possible, and when they were issued, she was one of the first in line to buy one.

"I was proud of my involvement with the program," she says, "and the plate made me feel like I was really a part of the University."

Now, she reports, when she travels she is greeted with honks, waves, and shouts of "Number One!" by passing Penn Staters. And many of those passing cars sport Penn State plates. Through the successful lobbying of dedicated out-of-state alumni/ae, thousands of Penn Staters in West Virginia, Virginia, New Jersey and Maryland now also enjoy the distinction of officially driving with the lion.

So join the convoy — and honk if you love Penn State!

The benefits of belonging to the Alumni Association...

When you become a member of the Penn State Alumni Association, you join the ranks of the privileged many — more than 109,000 people like you who have chosen to become active partners in the future of Penn State and share in the many benefits of belonging.

As a member or associate member, you can:

Support Academic Excellence

You can take pride in knowing that your membership supports excellence in teaching and learning at Penn State, through:

❒ The Alumni Fellows Program, bringing eminent alumni/ae back to campus to share their expertise with students.
❒ The Teaching Fellow Award, given each year to an outstanding teaching professor.
❒ Alumni Memorial Scholarships, Penn State Club Scholarships, Alumni Association Scholarships and Alumni Association Graduate Fellowships for deserving Penn Staters.

Keep up with Penn State News

You'll stay current with:

❒ *The Penn Stater* magazine, published bimonthly
❒ *The Football Letter*, published after every football game
❒ News from your College or Campus Alumni Society

Have an Alumni License Plate

You're eligible to buy an official Penn State license plate so that you can drive with pride wherever the road may lead you.

Get Some Credit

You can apply for special Penn State VISA and VISA Gold cards. And when you use and renew them, the Alumni Association's student scholarship fund benefits.

Learn

Learning never stops, and as a member of the Alumni Association you can take part in:
❒ Continuing Education courses at discounted rates.
❒ Transitions — a four-part continuing education series designed to help alumni/ae get the most out of different career stages.
❒ Alumni College — hands-on learning with dynamic Penn State educators in fascinating locations.

Travel to Exotic Places

Choose from members-only tours to such destinations as Africa, Russia, the Canadian Rockies and the Far East, led by faculty hosts who know the territory and make it more than a vacation.

Get Insurance

You get special group rates on term life, short-term medical and major medical insurance for yourself, your spouse and your unmarried children.

Receive Discounts

You can drive off with discounts from Hertz and Avis whenever you travel, and North American Van Lines whenever you move to another state.

Buy Exclusive Heirloom Merchandise

You'll be among the first to be offered handsome new Penn State products, such as Seiko wristwatches, Old Main and Nittany Lion lithographs, grandfather and mantel clocks, brass lamps, armchairs and rockers.

Join the Club

By joining your local Penn State Club, you can have fun and help the University at the same time.

Vote

If you are a Penn State alumnus/a and a member of the Alumni Association, you automatically receive a ballot for the annual Board of Trustees election. And you're eligible to vote and run for Alumni Council and for your own College or Campus Alumni Society board of directors.

Your Membership Dues Also Support...

❒ Lion Ambassadors and their "Be A Part from the Start," "Zero Year Reunion," "Synergy" talent show and "Old Main Open House."
❒ Reunions for classes and other special interest groups.
❒ Alumni Institute lectures during reunions.
❒ Alumni Homecoming every fall.
❒ College and Campus Career Days for students.
❒ Alumni Placement Service for job seekers.
❒ Alumni Biographical Records for more than 365,000 graduates.
❒ National Alumni Admissions Program to recruit outstanding students to the University.

Membership Application

Penn State Alumni Association
105 Old Main, University Park, PA 16802-1559

ANNUAL MEMBERSHIP

❒ **Individual** _____ $25
❒ **Joint** (husband and wife) _____ $30
❒ **Individual** (first 5 years after graduation) _____ $20
❒ **Joint** (first 5 years after graduation) _____ $25

LIFE MEMBERSHIP

❒ **Individual**, single payment _____ $350
❒ or 5 annual installment of _____ $80
❒ **Spouse** of life member _____ $50
❒ **Joint** single payment _____ $400
❒ or 5 annual installments of _____ $90
❒ **Over-65**, single payment only
❒ Individual or ❒ Joint _____ $175

ASSOCIATE MEMBERSHIP (non-alum)

❒ **Annual** _____ $25
❒ **Life** _____ $350
❒ **Installment Life**, 5 annual payments of _____ $80
❒ **Over-65 Life**, single payment only _____ $175

❒ **Please send me a payroll deduction form for life membership**

Name *Please print* *PSU Class*

Address

City *State* *Zip code*

Spouse's Name *PSU Class or Years Attended*

AFV

If paying by check, make payable to:
PENN STATE ALUMNI ASSOCIATION
Charge to:
❒ Master Card ❒ VISA
Card # _____
Master Card 4-digit _____
Card expiration date _____
Signature on card: _____

Phone: Home ( ) _____
Business ( ) _____

University Park Calendar

January 30 - February 9

Special Events

Thursday, January 30

■ International Lecture Series, 9:30-11 a.m., International Lounge, 222 Boucke. Elliot Fratkin on "Drought and Development in Kenya."

Penn State Chapter of Educational Office Personnel invites you to attend a program about Penn State Health Benefits—Healthpass/Plan—Prudential, 12:10-12:50 p.m., 256 Hammond.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Clarinet Chamber Music.

Friday, January 31

School of Music, "Music Today, 1991-92", 2:30 p.m., Recital Hall. "Mozart and Expression: The Quartets Dedicated to Haydn."

Geo. Coffee Hour, 4 p.m., 319 Walker. Londa Schiebinger on "Why Mammals Are Called Mammals." Refreshments, 3:30 p.m.

Shaver's Creek, 7-9 p.m., Tales From the Cold. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Puccini's "Tosca" N.Y.C. Opera National Co.

Saturday, February 1

Shaver's Creek, 1-2:30 p.m., Animals in Winter. Call 863-2000.

Sunday, February 2

Shaver's Creek, 2-5 p.m., Quilting for Beginners. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., El Sur (The South) (1983); 8:45 p.m., Detour (1945), Carnegie Cinema. Free.

School of Music, 8 p.m., Recital Hall. Steven Smith, piano.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Limon Dance Company.

Monday, February 3

Returning Adult Student Center, 12:30-1:30 p.m., 329 Boucke. Gretchen Foust and Marcia Pomeroy on "Career and Life Planning for Adult Learners." Also Feb. 10, Feb. 17, and Feb. 24. Register, 863-3887.

The Commission for Women lecture series, 4 p.m., 201 Business Administration Building. Dr. Kay Moore on "Going from Strength to Strength: The Legacy of the Strategic Study Group."

Tuesday, February 4

Drug Awareness Training for Supervisors, 8:15-11:45 a.m., 319 Rider. Register, Human Resource Development Center, 865-3410.

Returning Adult Student Center, "How to Apply for Financial Aid," 6-7 p.m., Conference Room, 329 Boucke. Also Feb. 5, 12:30-1:30 p.m. Register, 863-3887.

Wednesday, February 5

School of Music, 8 p.m., Recital Hall. Richard Kennedy, tenor.

Thursday, February 6

AIDS: Let's Talk (Enlightening Lunches Brown Bag Wellness Series), noon-1 p.m., Paul Robeson Cultural Center Aud. Register, Faculty/Staff Health Promotion Office, 865-3085.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Chamber Singers.

Friday, February 7

■ Recital in memory of Eugenio Battisti, featuring Italian songs from the 16th to early 20th century, 7:30 p.m., HUB Gallery Lounge.

Saturday, February 8

Minority Faculty Development workshop, "The Publishing Process," 9:30 a.m.-12:30 p.m., 114 Kern. Emilia Martinez-Brawley, presenter. Reservations, Leah Witzig at 863-1663.

Shaver's Creek, 2:30-4 p.m., Armchair Birding. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Limon Dance Co.

Sunday, February 9

Shaver's Creek, 1-3 p.m., Winter Botany. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., Coup De Grace (1976); 8:45 p.m., Double Indemnity (1944); Carnegie Cinema. Free.

Public Radio

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building

Feb. 5. Dental Seminar. Eric Loop, coordinator.

Feb. 6. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Seminars

Thursday, January 30

Gerontology Colloquium, 4 p.m., 106 Mitchell. Lynn Kozlowski on "Cigarette Smoking and Aging."

■ History Colloquium, 4 p.m., Memorial Lounge, Eisenhower Chapel. William J. Duiker on "The Limits of Containment: Winning and Losing in Vietnam." Refreshments, 3:30 p.m.

Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Ralph Droms, Bucknell Univ., on "Automated Configuration of Internet Hosts."

Friday, January 31

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Stephen Cartier on "Photo-Initiated Reactions in Weakly Bound Complexes."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Robert D. Minard on "Applications of Mass Spectrometry to Pesticide Transformation Studies."

Tuesday, February 4

A.L. Bortree Lectures Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Patricia E. Shewen on "Strategies for Development of Bacterial Vaccines: The Bovine Pneumonic Pasteurellosis Model." Refreshments, 8:30 a.m.

Inorganic-Organic, 1:15 p.m., 55 Osmond. Neil Connelly, Bristol, on "Organometallic Electrochemistry and Electron-Transfer Reactions."

Graduate Program in Nutrition Colloquium, 4 p.m., 217 Willard. Peter Farrell on "Physiological Roles for Insulin During Exercise."

Thursday, February 6

Gerontology Colloquium, 4 p.m., 106 Mitchell. Kathleen Barry on "Women's Singleness at Midlife: Grounded Theory in the Study of Adult Development."

Friday, February 7

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Timothy Glennon on "Continuum Models of Electrostatic Effects."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. James C. Young on "Toxicity Assessments in Wastewater Treatment Systems."

"Bust of a Bishop," circa 1510, will be on view in the lobby of the Allen Street and Calder Way branch of Peoples National Bank during February as part of 'Art to Go.'

Tips

Information Penn State

Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ **Reflects an international perspective**

Teaching

(Continued from Page 1)

effort have been distributed to the offices of deans and campus executive officers. The request made by each dean or campus executive officer may include no more than 10 percent of the faculty members in the unit or 20 faculty members (whichever is smaller). Each request must include a minimum of three faculty members. Implementation of the innovation or special effort must have occurred no earlier than Fall 1990. Faculty members eligible for this program should have demonstrated strength in scholarship as well as in teaching.

The salary program is one of a number of recent initiatives established by the University to stimulate innovative teaching and improve the quality of teaching across the University. Among these are the Penn State Fund for Undergraduate Education, which helps to support individual course improvements, and the Penn State Fund for Research, which provides research support for faculty with high teaching loads. The newly appointed Commission on Undergraduate Education is expected to make additional recommendations to enhance the quality of instruction.

Committee appointed

Search is on for dean of Health and Human Development

A search committee has been appointed to identify candidates for the position of dean of the College of Health and Human Development. **Gregory L. Geoffroy**, dean of the Eberly College of Science, will chair the committee.

Other committee members are **Julien F. Biebuyck**, associate dean for academic affairs, Hershey Medical Center, and Eric A. Walker professor and chairman of Anesthesiology; **Nathaniel L. Brown**, undergraduate student, exercise and sports science; **Linda M. Burton**, associate professor of human development and family studies; **Joanne S. Chopak**, graduate student, health education; **Ann C. Crouter**, associate professor of human development and family studies; **Cheryl A. Dellasega**, assistant professor of nursing; **Grace Hampton**, vice provost;

W. Larry Kenney Jr., associate professor of applied physiology; **Herberta M. Lundegren**, senior associate dean and professor of physical education and leisure studies; **John A. Milner**, professor and head of nutrition; **Wesley Olsen**, associate professor of physical education; **Sara J. Parks**, associate dean, Commonwealth Educational System and international programs; **Robert Plomin**, director of the Center for Developmental and Health Genetics and professor of human development and family studies; **F. Adele Proctor**, associate professor of communication disorders; **Wayne Schutjer**, associate dean of extension, College of Agricultural Sciences;

Richard W. St. Pierre, professor and head of health education; **Bruce C. Stuart**, associate professor of health policy and administration; **Elizabeth J. Susman**, co-director of the Behavioral Endocrinology Laboratory and professor of human development and nursing; **Lynda E. Vogt**, undergraduate student, health planning and administration; **Susan C. Youtz**, assistant director of undergraduate nursing programs, and **Steven H. Zarit**, assistant director for research and training and professor of human development.

Nominations and applications should be submitted to Gregory L. Geoffroy, chair, Health and Human Development Dean Search Committee, Room 201 Old Main (Box PSI), University Park.

Curricular Integration Conference

Faculty can receive help in designing courses

The purpose of the forthcoming Transforming the Curriculum: Third Curricular Integration Conference, which is scheduled for Feb. 28, is to encourage discussion among faculty in related disciplines, examine student perspectives of classroom climate, and offer practical suggestions for faculty who are concerned about cultural diversity issues.

The conference, which is sponsored by the Office of Undergraduate Education and The Instructional Development Program, is part of an ongoing effort to assist faculty and administrators in designing courses that meet the University's cultural diversity requirement, a requirement that was mandated by Faculty Senate legislation in March 1990.

"The diversity requirement is aimed at increasing the awareness of the richness and variety of backgrounds that students, faculty, and staff bring to our academic community," said **C. Gregory Knight**, vice provost and dean of undergraduate education. "Every U.S. citizen should understand both the progress made in eliminating discrimination and prejudice from our society and the gaps between natural ideals and performance."

Many University faculty, in fact, have already been able to integrate new scholarship on global perspective, gender, religion, ethnicity, sexual orientation, and race into their courses. Presently, there are 141 approved diversity courses in a wide range of academic disciplines.

"The spirit of the initiative may actually be present in many existing courses," notes Joan Parrett, assistant director of the Instructional Development Program. "Thus it is hoped that some faculty may discover at the conference that it is simply a matter of putting together the necessary documentation for an existing course to become an approved cultural diversity course."

Three pre-conference workshops—which begin at 9:30 a.m.—will provide information on proposal development and the process used in reviewing those proposals. These sessions will be followed at 11 a.m. by a panel of students who will talk about their experiences in the classroom and the positive things faculty can do in responding to diversity issues.

The major focus of the afternoon sessions will be discipline-specific panel discussions of the methods faculty can use to achieve curricular integration in their classrooms. These discussions will be based upon the six diversity areas: gender, global perspective, ethnicity, religion, race and sexual orientation. In addition to the panel discussions, there also will be a special presentation on sexual orientation from 3 p.m. to 4 p.m. by Larry Gross, professor of communications at the University of Pennsylvania.

Interested faculty and staff can receive more information and a registration form from associate deans, campus directors of academic affairs, or by calling IDP (863-2599). Preregistration by Feb. 7 is strongly recommended. However, space permitting, late registrations will be accepted.

Arts

Continued from Page 8

"Metropolitan," airing at 1 p.m. Sunday, Feb. 2, on American Playhouse, chronicles the rise and decline of a group of young Park Avenue socialites in New York City who gather nightly to discuss life, honor, and their future. The group's equilibrium is upset by the arrival of a "radical" and by other events that eventually destroy their comfortable situation.

Odyssey on WPSU

On the next Odyssey Through Literature program, guest host Tom Beebee discusses the losses and gains of immigration with emigre writer Eva Hoffman.

In her latest book, Lost in Translation: A Life in a New Language, the author explores the physical and psychological transformation she experienced after leaving Poland and coming to the West.

Dr. Hoffman, who received her doctorate in American and English Literature from Harvard University, currently writes on literature and culture for the New York Times.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Piano recital

Pianist Steven Smith, professor of music, will perform in concert at 8 p.m. Sunday, Feb. 2, in the School of Music Recital Hall at University Park.

He will perform Davidsbuendler, by Robert Schumann, Liszt's Hungarian Rhapsody No. 12, Chopin's Nocturne in C Minor, Op. 48 No. 1, and a contemporary work, Quaderno Musicale di Annalibera, by Luigi Dallapiccola.

Professor Smith, a soloist with the Nittany Valley Symphony, has performed throughout the United States and abroad. In 1991, the Pennsylvania Music Teachers Association named him Distinguished Teacher of the Year.

The concert is free to the public.

Chamber Singers

The Penn State Chamber Singers will perform in concert at 12:10 p.m. Thursday, Feb. 6, in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include Jannequin's extended chanson based on the sounds of birds. The 20-member group is directed by D. Douglas Miller of the School of Music faculty.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

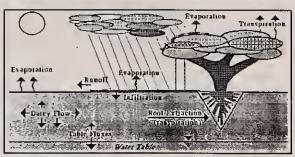
H&HD sponsors curriculum workshop

The College of Health and Human Development will sponsor a workshop on women's issues in the classroom from 4 to 8 p.m. Wednesday, Feb. 5, in the Henderson Building Living Center at University Park. The workshop is the fourth in a series of curriculum integration workshops developed by and for College of Health and Human Development faculty.

Presentations will focus on how men and women in the University can encourage better working and teacher-student relationships and discourage behaviors that are discriminatory.

Sabrina Chapman, director of the Center for Women Students, will discuss "Chilly Classroom Climate" (classroom settings that are uncomfortable for women), and **Michael Johnson**, associate professor of sociology, will speak on sexual harassment. Discussion groups focusing on the curriculum integration of women's issues will follow.

Focus on Research



Computer model of hydrologic cycle that may someday aid meteorologists.

Estimating soil moisture just got easier

A computer model that can be used to estimate soil moisture content might someday aid meteorologists and climatologists in predicting climactic and atmospheric change, according to University researchers.

"Soil moisture is a very important source of water for agriculture and the atmosphere," says **Toby N. Carlson**, professor of meteorology. "The boundary of the atmosphere over land is the soil, and much of the function at that boundary is determined by how much moisture is available for evaporation.

"Some people say that if you wet down the Sahara desert, eventually it would start to rain. Studies show that irrigation practices have already changed local weather conditions in some areas. Soil moisture has a profound influence on the weather and the atmosphere."

"There are a number of ways to measure soil moisture directly, but they are all invasive and specific in location," says **William J. Capehart**, graduate student in meteorology.

One method is as simple as digging a hole, grabbing a sample and carefully weighing it. The sample is then dried and reweighed, and the difference in weight indicates the soil moisture.

Another method uses gypsum blocks buried below the ground surface and wired to measure electrical resistance, which changes with soil moisture.

"What we are looking for is a general budget of soil moisture over an area," says Mr. Capehart. "We need representative soil moisture values rather than one for a very specific location."

"One reason a general picture of soil moisture is important, is that the current atmospheric prediction models generally don't take into account the atmospheric/land interface," says Dr. Carlson. "If they do consider this factor at all, it is as a constant rather than a variable."

"What we are trying to do is estimate the soil moisture profile using routinely observed environmental parameters, foliage cover and soil information in a computer model," Mr. Capehart adds.

The meteorological data used by the researchers for the model are routine observations such as temperatures, precipitation, humidity and cloud cover. Also needed for the model are soil type and permeability, water table level and type of vegetation.

Plant cover is an important factor in soil moisture. Ground cover and trees alter the direct evaporation of water from the soil. The type of vegetation or lack of vegetation affects runoff rates during precipitation and snow melting.

Plants also play an active role in water transfer. Roots take up water from the soil and transfer the water throughout the plant to the leaves. Leaves lose water to the atmosphere through evaporation and transpiration and can control water loss by closing their stomates, which are small pores in the leaves. Plants exchange both water vapor and carbon dioxide with the atmosphere through their stomates.

The researchers use different plant parameters depending on the type of vegetation. Close ground cover like grasses or alfalfa transport water differently than trees.

To initialize their model, the researchers use a process called balancing. They begin running the model the equivalent of four to six months, before the period to be observed. During that time the values for temperature, humidity, sunlight and rainfall will balance the amount of soil moisture.

"For example, if initially there was an excess of soil moisture, the model will cause the soil moisture to evaporate faster," Mr. Capehart says. "Conversely, if there is a deficit of soil moisture, the soil is more likely to retain moisture. The water budget, evaporation, diffusion and precipitation values force the model's soil water profile into shape. As time passes, the model eventually forgets the initial conditions and comes into balance."

While balancing is a good way to simulate initial conditions, these models need to be validated with actual experimental field data before they can be considered to accurately produce the correct soil water values over a season.

The researchers have been validating the model using data observed at the Russell E. Larson Agricultural Research Center at Rock Springs where meteorological data is recorded. To measure soil moisture, they used gypsum blocks placed at various levels up to 15 inches deep.

They also included the vegetative ground cover in their study. Over the years this vegetation has been wheat, corn and soybeans.

"There really isn't much data available that we can use to validate the model," Mr. Capehart says. "It is rare to find both soil moisture information and meteorological data for a location."

"Once we are confident that the model correctly represents soil moisture, it might be a useful tool for climatic and atmospheric predictions," Dr. Carlson says.

— **A'ndrea Elyse Messer**

Professor Toby Carlson and William J. Capehart, a graduate student in meteorology, look at a computer-generated estimate of soil moisture for Rock Springs. (Photo: Greg Grieco)

Faculty/Staff Alerts

Conflict of Interest

Bylaws of the University Board of Trustees require that the following be published at least once annually:

Disclosure of Potential Conflict of Interest by Employees of the University — Employees of the University shall exercise the utmost good faith in all transactions touching upon their duties to the University and its property. In their dealings with and on behalf of the University, they shall be held to a strict rule of honest and fair dealings between themselves and the University.

They shall not use their positions, or knowledge gained therefrom, in such a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees shall disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

Wellness series

The Faculty/Staff Health Promotion Office, in conjunction with the Human Resources Development Center, is sponsoring a brown-bag Wellness Series.

The first program of the semester titled "AIDS: Let's Talk" will be held at noon Thursday, Feb. 6, at the Robeson Cultural Center at University Park. The program is free. However, space is limited and registration is required.

The speakers will address how we can break down communication barriers to talk about this critical health issue. Parents will be provided with information to assist them in talking with their children about AIDS. Partner communication about this sensitive subject also will be discussed. Call 863-3085 to register.

New personal benefits summary

The University again will provide a Personal State of Benefits to regular, full-time faculty and staff members, so that they and their dependents, as applicable, may be aware of their total benefit coverage and the value of those benefits.

The statements have been made available every other year since 1979 and were prepared by outside vendors based on data supplied by the University. However, this year they will be prepared completely "in-house" with staff members from Human Resources and Management Services collaborating on the project.

Billie S. Willits, assistant vice president for human resources, said this has resulted in a considerable cost savings to the University. While the statements will take on a different appearance, she noted, the information provided essentially will be the same as in the past.

The statements will be given to each regular faculty and staff member hired prior to Jan. 1 who is not on leave without salary and will be prepared based on data effective Jan. 1, 1992. They will highlight the major provisions of the benefits program offered to faculty and staff members and their eligible dependents.

It is planned that the individual statements will be mailed early in February to office addresses and marked personal and confidential. They will provide basic information on group life insurance, retirement, social security, accidental death and dismemberment insurance, disability benefits, worker's compensation, and health care coverage, including hospital/surgical/major medical, dental care and vision care.

Also, an estimated dollar value of the benefit will be provided on each statement. It should be noted that these estimated values do not include the significant cash value for such things as paid time off, tuition reduction, athletic events discounts and use of athletic facilities.

Faculty or staff members who have questions or comments about their statements may contact the Employee Benefits Division at 205 Rider Building (863-1473).

Reimbursement Accounts

The grace period for filing reimbursement requests for 1991 out-of-pocket expenses under the flexible benefits plan ends March 31. The three-month grace period gives participants an opportunity to claim funds they contributed in 1991 to either a health care or dependent care reimbursement account.

To be eligible for reimbursement the expense must have been incurred in calendar year 1991. An expense is considered incurred at the time the actual treatment, service or purchase takes place. Any 1991 funds remaining in a participant's account after March 31 will be forfeited. Faculty and staff electing participation for 1992 have until March 31, 1993, to claim expenses incurred in 1992.

A health care reimbursement account provides tax savings on money spent for medical expenses not paid by the participant's medical, dental and vision benefits. A dependent care reimbursement account provides tax savings on expenses paid for the care of an eligible dependent allowing the participant (and spouse if married) to work. Contributions to and reimbursements from reimbursement accounts are not subject to federal income taxes. For 1992 an additional savings of 7.65 percent of the amount contributed is realized if the participant's FICA salary is less than $55,500. The FICA tax savings is 1.45 percent for FICA salaries between $55,500 and $130,200.

In 1991 over $1.8 million in pre-tax deductions were contributed to the two reimbursement accounts at Penn State. An annual election period for flexible benefits is held each November for the following calendar year.

Human subjects seminars

The Office for Regulatory Compliance will be providing scheduled seminars on the "Protection of Human Subjects in Research" during the spring semester. The seminars are designed to explain the human subjects review system and will provide instruction on how to prepare a submission for review by the Institutional Review Board (IRB).

Faculty who are new to human subjects research or who may be advising students involved in such research are urged to attend. Seminars currently are scheduled in Room 101 Kern Building, University Park, at 10 a.m. and 2 p.m. Feb. 6; 10 a.m. March 5, and 10 a.m. April 2 and April 6.

The seminar also will be presented upon request for any course or interested group. It would be helpful if instructors who plan to refer a large number of students to any one of the scheduled sessions also would contact the Office for Regulatory Compliance (5-1775) to ensure adequate seating.

Faculty Senate News

In their first meeting of the spring semester, Faculty Senate members discussed the proposed restructuring of the University policy governing tenure and promotion.

Currently, the four criteria used in tenure and promotion decisions include teaching ability and effectiveness, research or creative accomplishment, scholarly performance and mastery of subject matter, and public service. Both the Committee on Faculty Affairs and the Task Force on Undergraduate Education suggested merging research and scholarship into one category.

John Nichols, associate professor of communication and chairman of the Subcommittee on Promotion and Tenure, said the move to merge two of the cells does not alter the "weighting" or emphasis that any of the criteria receive.

Some faculty members expressed concerns that a move to the three-cell approach would give more weight to the research/scholarship cell.

Dr. Nichols explained that the new approach would not upgrade teaching nor would it downgrade research and scholarship.

A number of faculty members explained they see little problem with the four-cell method, except in the manner in which various departments are interpreting and implementing it.

Dr. Nichols said his subcommittee found no evidence that the change to a three-cell approach would alter how promotion and tenure decisions are currently taking place.

In other business the Senate:

- Heard comments from President Thomas concerning the adoption of Proposition 16 by the NCAA which sets stricter academic eligibility standards for incoming freshmen athletes. The new standards, which will not take effect until 1995, include a 2.5 GPA in 13 core courses in high school; a minimum SAT score of 700 (or 17 for ACT); a sliding scale that allows students scoring higher than 700 on their SATS to be admitted with lower GPAs, and a requirement that a certain percentage of college courses be completed by the end of the second, third and fourth years after matriculating to an institution in order to increase probability of graduation in a reasonable time frame. Proposition 16 will replace Proposition 48.
- Amended the Standing Rules to include representation of one senator each from Penn State Erie, The Behrend College, Penn State Harrisburg, and the College of Medicine, and four senators from the Commonwealth Educational System or Penn State Great Valley.

Appointments

Paula R. Ammerman

Pamela R. Kauffman

Francis G. Gentry

Matthew Altier

Teresa Tassotti

Paula R. Ammerman has been appointed staff associate in the Board of Trustees Office.

Ms. Ammerman, who was elected associate secretary of the Board of Trustees at the Jan. 17 meeting, formerly was administrative aide in the Board Office. She will manage the operations of the office and report directly to the vice president for administration.

A member of the University staff for 13 years, Ms. Ammerman formerly worked in the University Faculty Senate Office and in the Office of Sponsored Programs.

Teresa Tassotti has been appointed director of the newly-funded Talent Search Program, housed in Academic Assistance Programs, Office of Undergraduate Education.

The University has received a three-year grant from the Department of Education through its Federal TRIO Programs to operate a Talent Search Program that will serve 900 eligible students in seven of the neediest school districts in the state.

The program is designed to help youths in grades seven through twelve set educational goals and prepare for college. It also will help adult high school or college drop-outs who have the ability to complete such programs to return.

Created in 1964 by the Economic Opportunity Act, TRIO Programs received their names in the late 1960s when three initial programs were established. Presently, there are seven programs for disadvantaged students under the TRIO title and the University hosts four—Educational Opportunity Centers, Talent Search, Upward Bound, and the Upward Bound Regional Math and Science Center.

Ms. Tassotti, who received a B.A. in English communications and an M.S. in counseling from Gannon University, served as director of the Upward Bound Program at Gannon for the last ten years.

In addition to her new duties at Penn State, she will continue to serve as president of the Pennsylvania Association of Educational Opportunity Program Personnel and as an executive board member of the Mid-Eastern Association of Educational Opportunity Program Personnel. Both organizations represent the Trio Programs on the state and regional levels.

Pamela R. Kauffman has joined the Sponsored Programs and Contracts Office (SPCO) as a Contracts and Proposal Specialist.

Ms. Kauffman's responsibilities in SPCO include the negotiation of prime contacts, agreements, subcontracts and grants. Areas involve research, instruction and continuing education programs with the federal and state governments and other agencies.

Prior to her appointment with the University, Ms. Kauffman was employed by HRB Systems as senior contract administrator. She was responsible for the preparation of proposals, and the negotiation and administration of Department of Defense contracts.

She is a 1984 graduate of Penn State with a B.S. in accounting.

Francis G. Gentry, former professor and chair of the German Department at the University of Wisconsin-Madison, has been named professor and head of the Department of German.

A scholar in Medieval German literature, he is the co-author of five books, author of Triuwe and Vriunt in the Nibelungenlied, a bibliography of German Literature, and numerous reviews and articles.

His bibliography, Bibliographie zur frühmittelhochdeutschen geistlichen Dichtung is scheduled for publication soon, and he has two books and several articles in progress.

Dr. Gentry taught at the University of Wisconsin-Madison from 1975 to 1991, where he began as an assistant professor, was named professor in 1984 and chairman of the German department in 1988. In addition to serving on many departmental and university committees, he also served as chair of the Medieval Studies Program from 1986 to 1989.

He was a guest professor at the University of Freiburg in 1984 and received a Seal of the University in recognition of his scholarship. He also has served on the executive committee of the Max Kade Institute for German-American Research from 1985 to 1991, on the Advisory Board of the Wisconsin-Hessen Partner State Council and as president, vice-president and member of the board of the Madison-Freiburg Sister City Association.

A cum laude graduate in German and English from Boston College in 1963, Dr. Gentry received his master's degree and doctorate in German from Indiana University in 1966 and 1973, respectively. Boston College honored him with the Campion Distinguished Alumnus Award in 1977.

He was named a Vilas Associate at Wisconsin from 1986 to 1988 and received Alexander von Humboldt-Stiftung Fellowships in 1978, 1979 and 1982. He also received an Institute for Research in the Humanities Fellowship in 1977.

Matthew Altier, director of facilities for the Wilson School District, Reading, has been appointed director of business services at the Penn State Mont Alto Campus.

A 1979 graduate of Bermudian Springs High School, Mr. Altier served 10 years with the Air Force. He earned an associate degree in engineering technology from the Community College of the Air Force, an associate degree in applied science from Yuba College in California and a bachelor's degree in industrial engineering from California State University, Chico, Calif.

From 1989 to 1991, he worked as area facilities director in Balearic Islands, Spain, for Pacific Architects and Engineers, a company which maintained NATO bases.

Promotions

Staff Exempt

Mary M. Adams, to assistant director, Undergraduate Admissions in Undergraduate Education.
Paula R. Ammerman, to staff associate in Office of the President.
Martha A. Crater, to facilities/planning coordinator in Applied Research Lab.
Scott C. Dadey, to applications programmer/analyst in C&IS-Center for Academic Computing.
Marietta C. Dunmire, to supervisor, Payroll in Corporate Controller's Office.
Lisa A. Hipple, to grants and proposal coordinator in Research and Graduate School.
Mary E. Hughes, to communications analyst in C&IS-Telecommunications.
Daniel D. Klees, to senior designer specialist in Applied Research Lab.
Larry G. Mayes, to supervisor, night and weekend operations in Office of Physical Plant.
Gale R. Miller, to administrative aide in College of Agriculture.
John E. Miller, to manager, housing services in Housing and Food Services.
George E. Olson, to manager, research accounting in Corporate Controller's Office.
Mary F. Puffer, to manager, financial operations in College of Agriculture.
Michele L. Steele, to learning center coordinator at Worthington Scranton Campus.

Staff Nonexempt

Laurie J. Lane, to licensed practical nurse/medicine at Hershey.
Donna M. Lofland, to licensed practical nurse/medicine at Hershey.
Linda L. Rose, to publications aide, in Division of Development and University Relations.
Cathy E. Thomas, to senior research technologist in College of Agriculture.

Clerical

Gracie A. De Cecco, to secretary B at New Kensington Campus.
Sherry L. Emigh, to membership recorder in Division of Development and University Relations.
Jean N. Griffin, to secretary B at King of Prussia.
Marlene B. Hetrick, to secretary A at McKeesport Campus.
Trudi S. Holsopple, to accounting clerk in Corporate Controller's Office.
Suellen Kane, to clerk A at Altoona Campus.
Susan P. Long, to AV materials clerk in Continuing Education.
Diane Mills, to secretary C in Office of the President.
Geraldine B. Reeve, to clerk A, validation in Academic Services.
Le Ann S. Rossman, to teller in Corporate Controller's Office.
Traci K. Shimmel, to clerk, typist A in College of Agriculture.
Ellen M. Trumbo, to secretary C, in Liberal Arts.
Jeannette Ullrich, to clerk, typist A at Ogontz Campus.
Nancy E. Warner, to secretary A in Earth and Mineral Sciences.
Cathleen D. Whalen, to clerk accounting A in College of Engineering.
Lynnea S. Williams, to senior accounting clerk in Corporate Controller's Office.
Patricia R. Wilson, to secretary B in Liberal Arts.
Sharon L. Youtzy, to secretary C in College of Engineering.

Technical Service

Ronald W. Hamilton, to truck driver in Housing and Food Services.
Joyce L. Holderman, to food preparer A in Housing and Food Services.
Samuel T. Louder, to group leader, mail clerk at Hershey.
David A. McCaslin, to residence mail preventative maintenance worker in Housing and Food Services.
Anna L. Stake, to residence hall utility worker in Housing and Food Service.
Linda L. Zenor, to patient care assistant A at Hershey.

Penn Staters

Kenneth Blythe, director of Management Services, has been elected vice chair of the Board of Directors of CAUSE: the Association for the Management of Information Technology in Higher Education.

Archie J. McDonnell, professor of civil engineering and director of the Environmental Resources Research Institute, and Marek Gromiec, general director of the Polish Institute of Meteorology and Water Management, chaired a conference, "Water Resources Management and Water Pollution Control: Perspectives from Poland and the United States," in Warsaw, Poland.

Philip J. Morris, professor of aerospace engineering and director of Computational Fluid Dynamics Studies, presented a paper titled "Prediction of Noise Radiation by Supersonic Elliptic Jets," at the NATO/AGARD Propulsion and Energetics Panel 78th Specialists' Meeting on Combat Aircraft Noise at the German Science Center, Bonn, Germany.

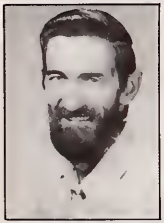
Gerald Moser, professor emeritus of Portuguese, presented a paper in Portuguese on the relations between writers and scholars at the Third Congress of the Portuguese Association of Writers in Lisbon, Portugal.

Laura B. Raiman, assistant professor of industrial engineering, has received the 1991 Graduate Research Excellence Award from Oklahoma State University in recognition of her dissertation research, "The Development and Implementation of Multivariate Cost of Poor Quality Loss Functions," for significant contributions to quality assurance theories and practices.

Joseph R. Reed and **Gour-Tsyh Teh**, professors of civil engineering, and **Chin Y. Kuo**, professor and head of the Department of Civil Engineering, participated in the International Conference on Computer Applications in Water Resources at the Tamkang University near Taipei, Taiwan.

Gretchen Vanneman Wolford, lecturer in English, and **Chester Wolford**, associate professor of English and business, both at Penn State Erie, presented their paper, "International Ignorance in American Schools of Business: A Brief Survey," at the International Decision Sciences Conference in Brussels.

25-year award recipients



Observing 25 years of service at the University are, from left, Clarence Dobson, locksmith/hardware maintenance worker, Office of Physical Plant; Robert LaPorte Jr., professor of public administration; Robert D. Lee Jr., professor and head, Department off Public Administration; David Walker, plumber-fitter, Office of Physical Plant, and Louise Walker, senior budget clerk, Office of Budget and Resource Analysis.

Bookshelf

Robert James Maddox, professor of American history, is the author of *The United States and World War II*, an exploration of the war's causes, conduct and enduring consequences.

Since the war affected every aspect of society, Dr. Maddox treats not only the battle fronts, but also the home fronts. His emphasis on the United States highlights mobilization, propaganda, the role of women and Blacks in the labor force and armed services, and the internment of the Japanese-Americans.

The book, published by Westview Press, is intended for the general reading public and for use in courses on World War II and recent American history.

A second revised edition of *Spanish in Review*, authored by **John B. Dalbor**, professor of Spanish, and **H. Tracy Sturcken**, professor emeritus of romance languages, has been published by John Wiley and Sons Inc.

The skills-oriented text, designed for intermediate college Spanish, now includes realia and readings from a variety of Hispanic materials, including magazines and newspapers, as well as the revised grammatical explanations and exercises from the widely adopted first edition.

Robin Bagby, a registered dietitian and instructor in nutrition in the College of Health and Human Development, and **Shirley A. Woika**, a consultant to the Penn State Nutrition Center and a Ph.D. candidate in school psychology, are co-authors of *Nutrition Smart!*, a workbook designed for teachers to help children make healthful food choices.

The workbook contains lessons and activity sheets for students from kindergarten through third grade. The 25 lessons include a complete primary curriculum in nutrition, including the digestion process, choosing foods, the basic food groups, dietary guidelines, interpreting food advertising, and what people in different cultures eat. The book provides an answer key as well as an appendix that lists recommended curriculum and activity books, children's books, audiovisual materials, posters, software, and reference sources.

The Center for Applied Research in Education, a division of Simon and Schuster, is the publisher.

Philip Jenkins, associate professor of administration of justice, is the author of *A History of Modern Wales 1536-1990*, published by Longman.

The book is the story of the Welsh people since legal union with England in 1536. Although Wales can be viewed as England's oldest colonial conquest, the Welsh identity has survived the centuries of political subjection intact.

Dr. Jenkins examines this survival, and explores the ways in which the sense of nationhood among the people of Wales has changed and developed in the quest for a proper relationship with their English neighbors.

The older Welsh elites, though merging their fortunes with those of the developing British state, held on to their traditional cultural and linguistic loyalties. From the eighteenth century on, however, the book shows how dramatically successful industrialization and the growth of major urban centers transformed Wales into one of the most advanced societies in Europe.

Dr. Jenkins says that traditional political and religious structures declined sharply under the impact of these powerful forces, to be replaced by a new and radical view of Welsh national identity—one that was shaped by religious nonconformity.

Obituaries

Joseph Bakondy, maintenance worker A, Shenango Campus, from Dec. 9, 1968, until his retirement April 7, 1979, died Dec. 13 at the age of 76.

Donald C. Coble, tree surgeon, Office of the Physical Plant, from March 7, 1930, until his retirement April 25, 1967, died Dec. 22. He was 82.

Craig M. Gault, associate professor of engineering at the Penn State Beaver Campus, died Jan. 3 at the age of 79. He joined the faculty Aug. 3, 1963, and retired July 1, 1978.

Nelson H. Gotwalt, retired associate professor of agricultural communications, died Dec. 2, at the age of 61.

Mr. Gotwalt was a 1947 graduate of State College High School and a 1952 graduate of Penn State with a bachelor's degree in animal science. He received his master's degree in animal nutrition from Penn State in 1957.

In 1958, he began working for Penn State Agricultural Extension Service as an assistant county agent for Susquehanna, Crawford and Washington counties. He retired in 1985.

He was a member of Epsilon Sigma Phi Fraternity and Mount Nittany United Methodist Church. A veteran of the U.S. Army, he served during the Korean Conflict.

George L. Hickson, machinist, Applied Research Lab, from April 1, 1959, until his retirement March 19, 1977, died Jan. 9. He was 78.

William S. Meachem, coordinating analyst-agriculture, Management Services, from Aug. 1, 1960, until his retirement July 1, 1978, died Nov. 1. He was 78.

Vivian L. Miller, food preparer, Housing and Food Services, from Aug. 23, 1965, until her retirement March 17, 1985, died Oct. 21. She was 66.

Neil A. Murphy, retired associate professor of education, died Jan. 2. She was 90.

She received a bachelor's degree from Whitman College, Walla Walla, Wash.; a master's degree from the University of Washington, Seattle, and a doctorate in education from Stanford University, Stanford, Calif. She taught English at several schools, including Stanford University, Humboldt State College and the greater Seattle public schools.

She joined the University faculty Jan. 1, 1956, and retired in 1966.

Dr. Murphy was a member of Pi Beta Kappa and the National Council of Teachers of English. She published a number of books in the field of language arts.

Irving G. Neff, fireman, low pressure boiler, Office of the Physical Plant, from July 1, 1948, until his retirement July 1, 1961, died Dec. 11. He was 96.

Robert G. Ohs, contracts and proposal specialist, Research and Graduate School, since March 13, 1967, died Dec. 10 at the age of 55.

Kazimierz Okoniewski, waste water treatment plant worker, Office of the Physical Plant, from Oct. 14, 1979, until his retirement April 1, 1990, died Oct. 3. He was 63.

Charles E. Porter, mechanic, experimental and maintenance, College of Engineering, from Feb. 1, 1951, until his retirement Aug. 1, 1977, died Dec. 19 at the age of 74.

Robert C. Quarello, food service worker, Penn State Altoona Campus, from Sept. 8, 1964, until his retirement Jan. 28, 1984, died Sept. 6 at the age of 69.

Lemuel R. Reese, laboratory maintenance technician, Eberly College of Science, from Dec. 1, 1957, until retirement, Feb. 2, 1980, died Dec. 26 at the age of 73.

Harold Reisinger, carpenter, Office of the Physical Plant, from March 1, 1949, until his retirement Jan. 1, 1974, died Dec. 21. He was 79.

Bonita M. Shaffer, senior milk testing machine operator, College of Agricultural Sciences, from Nov. 9, 1987, until her retirement on disability July 1, 1989, died Dec. 17 at the age of 31.

Allen M. Smith, electrician, Applied Research Lab, from Oct. 11, 1948, until his retirement Sept. 1, 1969, died Dec. 13. He was 87.

John E. Stover, building services attendant, Continuing Education, from March 24, 1969, until his retirement March 23, 1985, died Dec. 6 at the age of 68.

Mary A. Sunday, assistant supervisor, Housing and Food Services, from Oct. 1, 1948, until her retirement April 30, 1961, died Dec. 7 at the age of 94.

Elwood N. Weber, janitorial worker, Office of the Physical Plant, from Feb. 5, 1951, until his retirement July 1, 1978, died Nov. 21 at the age of 79.

Harold W. Weik Sr., animal caretaker, Hershey Medical Center, from Oct. 6, 1970, until his retirement March 17, 1984, died Dec. 9 at the age of 72.

Robert E. Woods, maintenance worker, utility, Penn State Beaver Campus, from July 8, 1968, until his retirement May 1, 1986, on disability, died Dec. 12. He was 64.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, February 6. DO NOT CDNTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02157, Applications Programmer Analyst, Undergraduate Education, University Registrar, University Park Campus** — Responsible to the director, Student Information Systems, for conducting analyses of data processing problems, determining detailed requirements to solve problems, and formulating logical statements of system problems and preparing computer programs to satisfy desired results. Design, modify, test and submit computer programs using ROSCOE, EASYTRIEVE, NATURAL, BASIC and other languages. Requires bachelor's degree, or equivalent, in computer science and one to two years of effective experience in computer programming and analyses. STAFF GRADE 6.

■ **02158, Chemistry Demonstration Specialist, Eberly College of Science, Chemistry, University Park Campus** — Oversee video recording/editing of lectures/seminars; maintain current knowledge in computer-aided video production. Collaborate with faculty and appropriate campus support facilities to design, construct and test demonstration models and experiments, including models of the elements. Requires associate degree, or equivalent, in chemistry or closely-related discipline plus two to four years of effective experience with instructional media or audio-visual presentation. Familiarity with computer graphics and data management hardware/software, and a demonstrated ability in effective verbal communications. Bachelor's degree and experience with chemical modeling preferred. STAFF GRADE 5

■ **02159, Assistant to the Director, Senior Vice President for Research and Dean of the Graduate School, Materials Research Laboratory, University Park Campus** — Responsible to the director for administrative functions of the Materials Research Laboratory. Assist faculty in preparation and submission of research proposals, inform and interpret policies and restrictions of agencies, industries, etc.; prepare and oversee laboratory budgets based on knowledge of sponsor and University requirements, provide budget projections, and prepare pre- and post-contract audits. Requires bachelor's degree, or equivalent plus two to four years of effective experience in the management of sponsored research programs. Experience with computer operation and spreadsheet preparation preferred. STAFF GRADE 7.

■ **02160, Assistant Director of Campus Life, Mont Alto Campus, Student Programs and Services** — Responsible to the director, Student Programs and Services, for coordinating and administering campus-wide student activities, and for carrying out various responsibilities for the Residence Life Program. Responsible for training and supervising the residence hall staff and for the programs for residence hall students. Assist with the administration of conduct standard system. Requires master's degree, or equivalent, in student personnel administration or related field, plus over one year to two years of effective experience. STAFF GRADE 7.

■ **02161, Computer and Telecommunications Assistant, Ogontz Campus, Academic Affairs (Computer Center)** — Responsible to the Computer Center and Technical Support specialist for supporting the operations of computer and telecommunications systems and related equipment. Provide assistance and training to system users. Supervise activities of support personnel. Requires associate degree in computer science or related field plus one to two years of effective experience. STAFF GRADE 5.

■ **02162, Publications Specialist, Delaware County Campus, University Relations** — Responsible to the director, University Relations, for coordinating the development and production of all campus publications and advertising efforts. Handle a variety of special written communications as assigned. Requires bachelor's degree, or equivalent, in journalism, English, communications, or related field plus one to two years of effective experience in publications and/or advertising with particular emphasis in desktop publishing and publications design. STAFF GRADE 5.

■ **02163, Public Information Specialist, Delaware County Campus, University Relations** — Responsible to the director, University Relations, for organizing and conducting an effective, comprehensive public information and media relations program for the campus. Provide support for various special events. Requires bachelor's degree, or equivalent, in journalism, English, communications, plus over one up to and including two years of effective experience in newspaper and or journalistic writing or public relations. Requires high level of skill in oral and written communication. STAFF GRADE 6.

■ **02164, Area Representative, Altoona Campus, Continuing Education** — Responsible for the development, organization, operation and administration of Continuing Education programs and services. Plan, schedule, staff, conduct evening school class operations, workshops, conferences; and contract services with clientele organizations. Develop a marketing plan to include making public contacts and initiate the development and writing of material. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry, or education. STAFF GRADE 7.

■ **02165, Area Representative, Behrend College, Continuing Education** — Responsible for the development, organization, operation, administration, sales and marketing of Continuing Education programs and services in an assigned service area. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry or education. STAFF GRADE 7.

Head sought for newly formed Department of African and African-American Studies

The University invites applications and nominations for the position of head of the newly forming Department of African and African-American Studies beginning Fall, 1992. The head will be the academic and administrative leader of the department and will report directly to the dean of the College of Liberal Arts.

The individual appointed will be responsible for the implementation of the University's decision to convert the existing baccalaureate program to a tenure-granting department. The position also entails working with other departments to establish joint appointments and curriculum linkages. Given the nature and importance of the position, previous administrative experience is desirable.

The successful candidate must hold an earned Ph.D. in a humanities or social science discipline. The candidate's record of scholarly accomplishment must warrant a tenured appointment at the associate or professor level in a research university.

Nominations of qualified individuals are encouraged and candidates should submit a letter of application and a current vita to Chair, Search Committee, c/o Office of the Dean, Box K, 110 Sparks, University Park, PA 16802.

Applications received by Feb. 15, will be assured of consideration. However, applications will be considered until the position is filled.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

January 30, 1992
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INTERCOM

February 6, 1992 Volume 21, Number 20

From the President

Message to the University community

Mr. Wilson's recent column published in *The Collegian* does not represent Penn State, its students, faculty or staff. The column is based on emotion and misinformation and exemplifies thinking that is based neither in fact nor in logic. It illustrates vividly the concerns expressed by Hunter Rawlings at our January commencement exercises. In describing the fragility of university communities, he stated: "We hang on a gossamer thread of confidence and good will -- often the only link among our widely scattered constituencies. A single adolescent prank... can upset our delicate equilibrium for months on end."

The Collegian's decision to publish the column was its right as an independent student newspaper. The decision to do so also was disappointing and irresponsible. As of yesterday, the matter received the attention of an extensive array of national media. It is my hope that the reports stemming from this incident will not ignore Penn State's leadership role in supporting diversity throughout our university. To present merely a repetition and thus a reinforcement of Mr. Wilson's statement is inaccurate, damaging, and not worthy of a university community.

The consequences of reinforcing this kind of distorted thinking are many and obviously undermine the work of each of us who is committed to building a society for the future that rises above our past. Included in those consequences are calls from parents concerned for their children. Included in those consequences are misunderstandings and fears that will linger into the future, impeding our progress in combating racism. Included in those consequences is frustration for those who dedicate their lives every day to a better Penn State and to a better world.

I want to assure everyone that the University and the community --. town and gown -- are capable of rising above this unfortunate and passing event. We must take this occasion to come together in new and stronger ways so that a single individual does not tear away all that has been done to support Penn State's recruitment and retention of minority students, faculty and staff. I call on each of us to look beyond the kind of incendiary remarks that Mr. Wilson's column is designed to generate. We must look toward the larger goal and, in that process, build examples of clear thinking, civility, and responsibility.

Joab Thomas
President

Measures sought to deal with freeze

University administrators are seeking cost-saving measures to deal with a $9 million funding freeze in the state appropriation for this fiscal year, President Thomas said.

"Various possible responses to the state's action will be discussed in budget and planning committees," Dr. Thomas said. "While no decisions have been made, we are looking at temporarily freezing positions left open by employees who retired in December under early- retirement legislation."

Gov. Robert P. Casey announced last month that he was placing $275 million in reserve to help avert a predicted $403 million deficit. The reserved funds included 3.5 percent of the 1991-92 allocations for all state-owned and state-related universities.

Dr. Thomas said that the University's 3.5 percent funding freeze will be made across the board in all line items of the state appropriation of $258.7 million.

Noting that the freeze was not totally

See 'Freeze' nn Page 4.

International student health insurance is detailed

The following is a question and answer discussion about the policies involving the University's requirement for health care insurance for the dependents of international students. In recent weeks there have been a number of articles in the State College media, and, unfortunately, a great deal of inaccurate information has been passed on. Craig Millar, associate vice president for student services and chairman of the student insurance committee, provides background on the requirement:

INTERCOM: Why has the University, this late in the school year, imposed a deadline for this health insurance for international students? Isn't it unfair to now ask them to obtain health insurance for their dependents living in the United States?

MILLAR: Actually, the deadline to obtain the insurance was in August of 1991. Some students were able to avoid the requirement and, after exhausting every possible means, are now faced with the decision whether to comply in order to register for classes.

INTERCOM: I've read in the paper that Penn State did not do a very good job of explaining this requirement to the international students. What kind of information did we provide in advance?

MILLAR: Each international student who was offered admission to study at Penn State was provided information outlining the University requirement. In official admissions correspondence, all international students were given full information about the policy, including the cost of one insurance policy identified by the University. In order to complete the admissions process, each student provided proof that he or she had sufficient funds to purchase insurance. When each international student arrived at Penn State and attended the mandatory orientation session, a representative of the student insurance office provided one- on-one consultation to each student. In all, most students would have had about a half-dozen opportunities to review material on the requirement. I feel that is sufficient, since almost all international students have in fact compiled on time.

INTERCOM: Why does the University care if the dependent -- a spouse or child -- of an international student has health care insurance?

MILLAR: This kind of requirement does exist at other universities and, in fact, is recommended by both the National Association for Foreign Student Affairs: Association of International Educators, and the American College Health Association. Their position, and we agree, is that it is "critical that institutions require adequate health insurance for all students and accompanying dependents."

INTERCOM: One critic suggested that it was a conflict of interest for the University to have a mandatory health plan for the dependents of international students.

MILLAR: Yes, I've heard that. What we have at Penn State is a mandatory insurance requirement for the dependents of international students. They may purchase any plan which meets some basic minimum standards we have established in compliance with the standard set by the National Association of Foreign Student Affairs: Association of International Educators, and the American College Health Association. Since we know that affordable and adequate insurance is difficult to find for this population, we have identified one plan which meets what we feel are minimum standards for student and dependent insurance. If a student has an adequate insurance plan with another company, that's fine with us. In fact, most of the plans international students have shown us have met the basic standard and they were not required to get any additional plan.

INTERCOM: That all sounds so

See 'Insurance' nn Page 4.

Focus on Diversity

Celebrate cultural heritage

The University community will celebrate Black History Month with a number of events throughout February. The events are intended to highlight the history, culture and contributions of Black and African-Americans, as well as spotlight the problems still facing them.

What originally started as Negro History Week in 1926 by Dr. Carter G. Woodson has grown into a month-long dedication acknowledgng the achievements of Blacks, and serving to make society aware of different cultures.

The theme of this year's Black History Month is "Know Thyself," a statement intended to focus attention on the importance of learning about others, as well as oneself.

SCHEDULE OF EVENTS

Feb. 6 A play about diversity issues titled, "Strange Like Me," presented by The Metamorphosis Performing Company. Performance begins at 7 p.m. in the HUB Assembly Room.

Feb. 8 United Soul Ensemble's Gospel Explosion, 6 p.m., Schwab Auditorium. Reserved seating. Tickets available at Eisenhower Auditorium, call 863-0255.

Feb. 12 Blacks and Drugs video and discussion, 7 p.m., Paul Robeson Cultural Center Conference Room.

Feb. 13 Play, "Our Young Black Men Are Dying," 8 p.m., Paul Robeson Cultural Center Auditorium. Admission by ticket only. Tickets available at Cultural Center

Feb. 15 "A Mind is A terrible thing to Waste," 12-3 p.m., Paul Robeson Cultural Center.

Feb. 16 "Freedom Train," a children's play, 3 p.m. at Eisenhower Auditorium.

Black History Month Worship Service, 6 p.m. at Faith Church of Christ, Corner of College Avenue and Locust Lane.

Feb. 17-21 Ebony and Ivory Week

Feb. 17 "Starpower," presented by **Terrell Jones**, 6 p.m., Paul Robeson Cultural Center Auditorium.

Feb. 18 Clarence Page, Ebony and Ivory Week keynote speaker, 8 p.m., 101 Osmond Building.

Feb. 19 Skits presented by Unity Players, 6 p.m., Paul Robeson Cultural Center Auditorium.

Feb. 20 "Women's Issues," presented by LaVerne Gyant, 6-8 p.m. , HUB Gallery Lounge

Feb. 21 Closing Celebration at Paul Robeson Cultural Center. Time to be announced.

Feb. 19-20 Malcolm X Symposium and Lecture Series.

Feb. 20 Concert: Betty Carter, legendary jazz singer, 8p.m., Eisenhower Auditorium.

Spaghetti Dinner, 5 p.m., 13 Shulze (Zeta Suite).

Feb. 24 "Freedom Bags," video. Discussion led by LaVerne Gyant. 7 p.m., Paul Robeson Cultural Center conference room.

Feb. 25 Celebrate the Black Family, 7 p.m. Paul Robeson Cultural Center Auditorium.

Feb. 26 Gospel performance by Diane McDaniel and Friends, 8 p.m., HUB Fishbowl.

Feb. 27 Dr. **Harold Cheatham**: "Perspectives on Black Families," 7 p.m., 101 Kern Graduate Commons.

Feb. 29 11th annual "A Touch of Africa" dinner/dance, 5:30 p.m., HUB Ballroom.

Summer camp introduces girls to non-traditional careers

Eighty Pennsylvania fifth and sixth grade girls will participate this summer in the free MS WIZ engineering, science and technology summer camp at University Park.

An additional 20 girls from the State College area also will be eligible to attend a MS WIZ day camp for a $350 fee—an option offered for the first time this year. Camp dates for the combined MS WIZ program are July 5 to July 18 (Session I) and July 19 to Aug. 1 (Session II).

MS WIZ introduces girls to non-traditional careers, breaks down negative stereotypes of women in engineering and science, and offers an opportunity for girls to explore everything from astronomy, through engineering and mathematics, to zoology, according to **Sharon Luck**, director of the Women in Engineering Program.

"MS WIZ is designed to enable each girl to understand that it is acceptable to be bright, interested in things scientific, and be a female," **Patricia Farrell**, the program's co-director, said.

During MS WIZ, the girls interact with women faculty and students from different science and engineering disciplines, perform experiments in University laboratories and work with computers. In addition, each girl is paired up with a professional engineer or scientist who will continue to mentor her after she leaves the summer camp.

The residential camp option has a competitive selection process and is free of charge. Girls participating in the day camp option will be chosen on a first-come, first-served basis.

MS WIZ is sponsored by the National Science Foundation and the Colleges of Engineering, Education, and Health and Human Development.

The application deadline is March 2. For more information and/or an application brochure, contact Sharon Luck (814) 865-7138, 101 Hammond Building, University Park, PA 16802.

Worthington Scranton Campus

Program series to address need for more female engineers and scientists

The Penn State Worthington Scranton Campus is addressing the need for more female engineers and scientists by conducting a series of programs during the Spring Semester.

The Science and Engineering Careers Exploration Program, under the direction of **Patrick Rose**, director of student services, will involve a group of approximately 25 eighth grade females from Dunmore High School. The endeavor will expose the students to a variety of experiences that will increase their knowledge of nontraditional fields for women.

The initial component of the program features lectures by women who are currently employed in the science or engineering professions. Students also will have an opportunity to learn firsthand about careers in engineering and science by observing women employed in the work force. A number of field trips to research and engineering firms are planned.

An additional highlight of the Penn State Science and Engineering Careers Exploration Program will be the Worthington Scranton Campus Engineers Open House. At this program, the students will hear several speakers on engineering and engineering technology; observe engineering displays and experiments; evaluate the academic environment of an engineering student, and interact with engineering and engineering technology students.

An April luncheon for participants, Worthington Scranton Campus engineering and science faculty, and speakers will conclude the program.

Focus on Diversity

WPSX shows chronicle lives of pioneering African-Americans

Pioneer of Color: A Conversation with Mal Goode, airing at 10 p.m. Sunday, Feb. 9, on WPSX-TV, Channel 3, chronicles the life and career of Mal Goode, the man who broke the color barrier at ABC News. This conversation with newswoman Doris McMillon includes footage of many of Mr. Goode's broadcasts and archival footage of Malcolm X and Martin Luther King Jr.

The Dancing Man—Peg Leg Bates, airing at 10:30 p.m. Monday, Feb. 10, traces the life and times of Clayton "Peg Leg" Bates, who, despite a debilitating childhood injury, went on to become a jazz dance legend and pioneering African American entrepreneur.

The program tells the story through a combination of extensive interviews with Mr. Bates and his colleagues in the dance world; scenes from his life today, and a wealth of archival stills and motion pictures. Included is footage from his many appearances on the Ed Sullivan Show.

Award for women pursuing academics offered by AAUW

The State College Branch of the American Association of University Women sponsors the Lucretia V.T. Simmons Project Renew Grant each year. The award is named for Dr. Simmons, a past president of the State College AAUW Branch, who, in 1918, was the first woman on the Penn State faculty to become a full professor.

Purpose of the award is to support women who have interrupted their academic work for at least three years and wish to resume or continue their studies at this time. A grant of up to $1,500 will be awarded to a woman resident of Centre County who has completed a minimum of one-fourth of the degree requirements for a baccalaureate or master's degree.

Applications are available from Susan H. Garis, 208 Carnegie Building, University Park, PA 16802. Phone (814) 863-0738. The deadline for submission is March 1.

Diversity Opportunities Calendar

Feb. 1 through 29
Penn State Bookstore, 8 a.m. to 5 p.m. weekdays, Bookstore Building. Black History Month display featuring books by African/Black American authors, books on African/Black American history, art, social issues, philosophy, photography, children's books and more.

Feb. 7 through 29
University Libraries, daily, Pattee Library African American Studies Room. Black History Month display titled, "African Roots Explore New Worlds: Pre-Columbus to the Space

Saturday, Feb. 8
Center for Minority Faculty Development, 9:30 a.m. to 12:30 p.m., 114 Kern Graduate Building. The Publishing Process is the second of a series of faculty development workshops. Emilia Martinez-Brawley, professor of social work, will be the speaker. All junior faculty are welcome. To make reservations, contact Leah Witzig at 863-1663.

Sunday, Feb. 9
WPSX-TV, 7 p.m., Channel 3. Part four of television series titled, "Americans Too: Black Experiences in Rural America."

Tuesday, Feb. 11
Men of Color, noon to 1 p.m., Nittany Lion Inn. Monthly lunch meeting.

Wednesday, Feb. 12
Center for Women Students, noon to 1 p.m., 120 Boucke. Brown bag lunch discussion titled, "The Cycles of Women's Sexuality," by Patricia Barthalow Koch, associate professor of health education.

Paul Robeson Cultural Center, 7 p.m., Paul Robeson Cultural Center. Video presentation and discussion titled, "Blacks and Drugs."

Equal Opportunity Planning Committee, 8 p.m., HUB Assembly Room. Lecture titled, "The Invention of Heterosexuality: A History," by Jonathan Ned Katz, historian and activist.

Thursday, Feb. 13
Center for Minority Staff Development, 3:30 to 5 p.m., 319 Rider Building. Workshop titled, "Coping Strategies for Working in a Predominately White Environment," by Anita Helion, administrative aide, Division of Student Programs.

Paul Robeson Cultural Center, 8 p.m., Paul Robeson Cultural Center. Dramatic presentation titled, "Our Young Black Men are Dying." Tickets are available at the Paul Robeson Cultural Center desk. Cost is free.

Penn Staters

Cheryl Achterberg, associate professor of nutrition, was an invited speaker at the International Workshop on Community Nutrition, sponsored by the World Health Organization in Balboa, Spain.

G.J. Babu, professor of statistics, gave a series of lectures on "Edgecoorth Expansions for Errors-in-Variables Regression" at the Indian Statistical Institute, Calcutta, India: Monash University, Melbourne, Australia; and the Australian National University, Canberra, Australia. He also presented an invited lecture, "Bootstrap Methods," at the University of Melbourne and spoke on "Bootstrap in Nonstandard Cases" at Latrobe University, Melbourne.

Stanley E. Curtis, professor and head of Dairy and Animal Science, has been re-elected vice-chair of the executive committee of the American Association for Accreditation of Laboratory Animal Care.

Reginald A. Deering, professor of molecular and cell biology, presented an invited talk, "Differential Repair in Developmentally Regulated Genes in Dictyostelium discoideum," at the American Association for Cancer Research international conference on Cellular Responses to Environmental DNA Damage, in Banff, Alberta, Canada.

Gordon F. DeJong, distinguished professor of sociology and director, Graduate Program in Demography, was an invited participant at the Southeast Asian Consortium on National Migration Surveys in Phuket, Thailand.

Jan P. Holland, senior research associate at the Applied Research Laboratory, chaired a section on underwater acoustics, presented a paper titled, "Calibration of a Large Passive Shipboard Sonar Array Using a Bottom-Mounted Acoustic Beacon," and gave a workshop lecture at the IV Western Pacific Regional Acoustics Conference in Brisbane, Australia.

James Hodgson, acting director of Noll Laboratory for Human Performance Research and associate professor of applied physiology, gave a paper at the biannual conference of the International Society for Respiratory Protection in Winchester, England.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, presented a paper on "Nanocomposite Sol-Gel Route to Low K Ceramic Substrates" at the Conference on Emerging Optoelectronic Technologies in Bangalore, India.

Nancy S. Love, associate professor of political science and affiliate professor of women's studies, has been elected to the Pennsylvania Humanities Council, a private, non-profit organization serving the state as an affiliate of the National Endowment for the Humanities.

Rosalia Cornejo-Parriego, visiting lecturer in Spanish, has had her paper "Juan Goytisolo's Journey Towards Difference" accepted for the international conference on "Literature, Voyage, Quest" to be held at the University of Auckland, Auckland, New Zealand.

Lowell Wilson, professor of animal science, has been appointed Veal Quality Assurance Committee educational consultant by the board of directors of the American Veal Association.

Associate dean for undergraduate education is named

James M. Rambeau, associate professor of English and American Studies, has been appointed associate dean for undergraduate education.

Dr. Rambeau succeeds Jerry B. Covert who left Penn State in January to accept the position of dean of science, management and technologies at Edinboro University of Pennsylvania.

"I am delighted that Jim has accepted this position," says C. Gregory Knight, vice provost and dean for undergraduate education. "He is recognized as an excellent teacher and has had considerable administrative experience with issues in undergraduate education."

Dr. Rambeau currently is serving as acting director of the University Scholars Program while Director Gerard A. Hauser, professor of speech communication, is on sabbatical leave for spring semester.

Recently named to the Commission for Undergraduate Education, Dr. Rambeau currently serves on the President's Planning and Budget Advisory Committee.

As a University Faculty Senator, he has served on the Academic and Physical Planning Committee and the University Classroom Improvement Committee and is now serving on the Liberal Arts Dean's Planning Advisory Committee, the Liberal Arts Council and Caucus of Senators, the Senate Committee on Undergraduate Instruction and the University Writing Subcommittee.

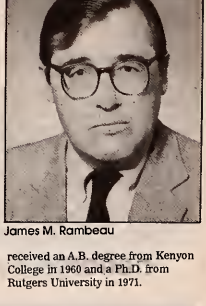
Dr. Rambeau was honored for his teaching in 1990 when he received the Christian R. and Mary F. Lindback Award for Distinguished Teaching.

A member of the English Department since 1970, Dr. Rambeau served as associate head of the department from 1987 to 1990, was the director of the Composition Program from 1984 to 1986 and has served on many departmental committees.

The American Empire, the Literature of the Civil War, American Public Poetry and Original Sin in American Literature are among the graduate and undergraduate courses he has developed. He has directed more than 30 undergraduate honors theses as well as several at the graduate level. He was the Senior Fulbright Lecturer in Bulgaria in 1978-79.

Dr. Rambeau is co-author of *A Bibliography of Henry James* (Third Edition) 1982, and co-editor of *Agitations: Letters to the Press 1875-1950* (1985) by Bernard Shaw. He currently is working on a book, *The Memory of Sacrifice: Robert Gould Shaw and the 54th Massachusetts Regiment*.

Before joining the University faculty, Dr. Rambeau was an instructor of English at the University of Virginia. He received an A.B. degree from Kenyon College in 1960 and a Ph.D. from Rutgers University in 1971.



James M. Rambeau

News in Brief

Healthy Loving Week
The Office of Health Promotion and Education, University Health Services, a division of Student Services, is sponsoring its annual Healthy Loving Week February 6-14.

"Healthy Loving Week, now in its seventh year, is designed to help University students build and maintain healthy and loving relationships," said Elaine Jurs, assistant director of the Office of Health Promotion and Education, and chair of Healthy Loving Week.

Healthy Loving Week actually spans two weeks, beginning at 7 p.m. Thursday, Feb. 6, in the HUB Assembly Room with a performance of the Metamorphosis Performing Company from Lewisburg titled "Strange Like Me."

Faculty regalia
Fine quality faculty regalia will be offered at special prices at the Penn State Bookstore on campus on Monday and Tuesday, Feb. 10 and 11, from 10 a.m. to 5 p.m. For more information, contact Shirley Baney at 863-2512.

Adult education seminar
Jovita Ross-Gordon, professor-in-charge, Adult Education Program, will speak at the Adult Education Professional Seminar Series at noon Thursday, Feb. 13, in the Adult Education Conference Room, Charlotte Building, 403 S. Allen St., State College.

In her presentation, "Serving Culturally Diverse Populations: An Imperative for Adult Educators," she will examine participation patterns in adult and continuing education which suggest differential access and utilization by groups typically referred to in our society as minorities.

Medical excuses
With the cold and flu season upon us, faculty members should be aware of the University's policy on medical excuses.

Written excuses for class absence and missed exams are not given by physicians, nurses, or any other University Health Services staff. However, a "Release of Information" form is available at the medical records counter if a student requires confirmation of her/his visit to the Outpatient or Women's Health Department or length of stay in the Observation Unit. No other information will be given about the nature of the visit without the student's written consent.

A faculty member requesting such confirmation should call the University Health Services Medical Records Department at 863-1974.

Insurance

Continued from Page 1

simple, but why do you think international student enrollment declined after this requirement was put into place?

MILLAR: Again, that is an inaccurate statement which has appeared in a number of news articles. Enrollment of international students at Penn State increased the year that this was put into place. And, the number of international students bringing dependents with them into this country -- the people being affected by this health insurance requirement -- also increased.

INTERCOM: Anything else you feel people interested in this topic should know?

MILLAR: Only that I hope everyone can keep this in proper perspective, even if some of the headlines have been large ones. Thousands of international students attend Penn State and they are an important part of the fabric of this institution. Almost all international students and their families have compiled with this requirement from the beginning. The number who failed to comply has been minimal.

During the last policy year (1990-91), more than $238,000 in health care expenses for spouses and children were funded by the MEGA plan monitored by the Student Insurance Office. I also might add this figure does not include the benefits paid by the Blue Cross/Blue Shield insurance plan sponsored by the Graduate Student Association at Penn State. Since this plan is not administered by the University, we have no direct knowledge of the total benefit returned to the insured population. It is likely that the GSA plan paid an even greater amount of benefits to spouses and students than did the University-administered plan. When you think about it, it's possible that the total health care reimbursement for this group could approach $500,000. If health insurance was not required for the dependents of international students, much of this burden would fall squarely on the shoulders of students and their families.

We will continue to get input from international students on how to work with this requirement for health insurance for their spouses and children in future years. In the United States, in 1992, health insurance is a major issue. In good conscience it is absolutely necessary that Penn State assures that international students and their families come to this country with the ability to receive the same basic health care available to Americans. This requirement at Penn State, and other schools around the country, makes that possible.

Freeze

Continued from Page 1

unexpected in light of the Commonwealth's current fiscal status, Dr. Thomas said the University has held a small amount of state funding this year in case of a budget emergency.

"I contacted the deans and unit heads in the fall and told them to be conservative in their expenditures," Dr. Thomas said.

Last year, when the state cut $12.6 million in University funding, academic departments were asked to cut 1.25 percent of their budgets and non-academic units, 1.5 percent.

Awards

University nurses recognized for passing certification exam

Eighteen of the University's registered nurses have received recognition by the American Nurses Association, Inc. for passing certification examinations measuring their professional achievement.

The following registered nurses passed the College Health Nurse exam, given for the first time this year:

From Ritenour Health Center at University Park: **Connie Cavalier, Mary Joanne Delahaut, Leanne Driscoll, Bonnie Flay, Jane Galas, Nancy Knable, Rosanna Mutzabaugh, Cecelia Nauder, Kathleen Petroff, Rebecca Taranto, Margery Waresak** and **Beth Zell.**

From the Commonwealth Educational System: **Norma Berman,** Ogontz Campus; **Patricia Crahall,** Wilkes-Barre Campus; **Carol A. Crawford,** Altoona Campus; **Maureen Gaffney,** Hazleton Campus, and **Dorothy Knapek,** Beaver Campus.

In addition, **Shirley Dautrich** from the Berks Campus successfully passed the ANA Certified Clinical Specialist exam.

The American Nurses Association Certification Program was established in 1973 to provide tangible recognition of professional achievement in a defined functional or clinical area of nursing.

Associate professor honored by NSF

Donna J. Peuquet, associate professor of geography, has been awarded a National Science Foundation Faculty Award for Women Scientists and Engineers. The awards were established in 1991 to recognize up to 100 of the nation's most promising female teachers and researchers who pursue academic careers. An annual grant of $50,000 is provided for five years to support research activities.

Dr. Peuquet is particularly interested in studying geographic information systems, and her research focuses on the way geographic information is represented, both conceptually and physically, as stored data observations. The recent rapid increase in the volume and range of data types available, as well as the urgent need for their use in addressing global-scale problems, has caused a major crisis in the handling of these data.

She already has developed an initial formalized conceptual framework for representing geographic data and developed prototype GIS software, GeoKnowledge. Research under the NSF award would consist of testing and verification of the initial results and further progress toward a formal spatial language to be used in spatial database query.

College of Engineering

Educational video wins Blue Ribbon

"The Agricultural Engineer," an educational video produced by the College of Engineering and WPSU, won a Blue Ribbon Award in the 1991 Educational Aids Competition, TV Films, Motion Pictures or Videotapes.

It was submitted to the American Society of Agricultural Engineers sponsored competition by **Dennis E. Buffington,** head of Agricultural and Biological Engineering.

The video is one of a series of videos produced by the College of Engineering to highlight and explain various engineering majors. For more information, contact the Office of Undergraduate Studies, College of Engineering, 101 Hammond Building, University Park, PA 16802.

Department and faculty recognized

The Department of Business Logistics and faculty member **John J. Coyle** have been honored by the American Society of Transportation and Logistics.

Tricia Neff, AST&L executive vice president, presented department chair **John C. Spychalski** with the society's Award for Excellence. Dr. Coyle received the AST&L Recognition Award.

The department, in The Smeal College of Business Administration, was cited for its exceptional record of research and teaching. Individual faculty members were recognized for their extensive involvement with AST&L, editorship of respected logistics publications, and numerous other activities in the field.

Dr. Coyle, professor of business administration and director of the Center for Logistics Research, was honored for the significant role he has played in the educational careers of both graduate and undergraduate business students at Penn State.

25-year award recipients

Observing 25 years of service at the University are, from left, Wayne D. Lommle, campus executive officer, and John R. Lippert, assistant professor of computer science, Penn State Schuylkill Campus; John R. Mersinger, maintenance worker A, and Stephen Pasfir Jr., stock truck driver, Office of Physical Plant; Henry E. Pfischner, associate director for proposals, Sponsored Programs and Contracts Office, Senior Vice President for Research and Dean of the Graduate School.

IDP sponsors spring semester series on teaching

The Instructional Development Program will sponsor a spring semester seminar series on teaching.

The keynote speaker of the series will be **Jack Spielvogel**, associate professor of history and the 1988 Alumni Teaching Fellow. At 3:30 p.m. Feb. 12, in 118 Agricultural Sciences and Industries Building, he will speak on "The Art and Craft of Teaching." He will discuss the teaching process as a whole, and what he has found to be most important in weaving together the various threads underlying the complex act of teaching.

At 3:30 p.m. Feb. 26, in 118 ASI Building, **Chris Foster**, director of the New American Scientist Initiative Program in the Eberly College of Science, will talk about "Meta-cognition: Do You Know That Your Students Are Learning?," or the ways a teacher can gauge whether the students are absorbing what is being presented.

"The purpose of the series is to make the voices of our own master teachers heard more loudly at Penn State," **Diane Enerson**, director of IDP, said. "In communities of scholars who teach, teachers — when allowed to speak for themselves —actually do an extraordinary job of communicating just exactly what they are up to in the classroom. And in so doing, they can move us that much closer to a first iteration, if not a clear formulation, of the art of teaching."

Spring semester activities focus on four basic issues of pedagogy: learning styles, or the different ways that individuals learn; teaching techniques and the methods of teaching; organizing content and the levels of planning; and teaching styles, how individuals teach.

As the first speaker, Dr. Spielvogel has been recognized for his innovative and highly energetic approach to teaching. He believes that his publication success has been the product of his teaching, contrary to conventional wisdom. He earned his bachelor's degree from Penn State in 1961 and M.A. and Ph.D. from Ohio State in 1962 and 1967, respectively.

Pre-registration for the programs is recommended, but not required. To register or to obtain more information, contact IDP at 863-2599. IDP is part of the Office of the Vice Provost and Dean for Undergraduate Education.

Four subcommittees to review nominations for Achievement Awards

President Thomas has appointed a general committee chared by **Billie S. Willits**, assistant vice president for human resources, to review nominations for the Faculty/Staff Achievement Awards—the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, the Barash Award for Human Service, and the Penn State Equal Opportunity Award.

Four subcommittees will screen nominations and develop recommendations for the respective awards. Members are:

McKay Donkin Award Subcommittee: **Patricia Farrell**, chairperson; **James M. Elliott, Jill Findeis, David Gold, J.D. Hammond, Grace Hampton** and **Lawrence Young**.

Barash Award Subcommittee: **Victoria Y. Fong**, chairperson; **Sidney W. Friedman, Robert L. Kidder, David B. Lee, Seth Reidenberg, Dawn Shober** and **James Stewart**.

Wilkinson Award Subcommittee: **David E. Branigan**, chairperson; **Lydia Abdullah, Nancy M. Cline, Bill McKinnon, Lewis Mothersbaugh, Roseann Sieminski** and **Daniel Trevino**.

Equal Opportunity Award Subcommittee: **Brenda G. Hameister**, chairperson; **Lynne Goodstein, L. Steve Hayes, James W. Locker, Beverly Ladrido** and **Peter Weiler**.

Peking University professors to speak on topics of culture and feminism

On Feb. 8-11, to coincide with celebrations of the Chinese New Year, the Department of Comparative Literature will host a visit to University Park by two leading Chinese intellectuals, professors Yue Daiyun and Tang Yijie, both of Peking University.

Professor Yue Daiyun will speak on "The Awakening of Feminist Consciousness in Modern Chinese Fiction" at the Comparative Literature Luncheon, at 12:15 p.m. Monday, Feb. 10, in 101 Kern; Professor Tang Yijie will speak on "Cultural Fever' in China and Issues of Chinese Cultural Transformation" at 8 p.m. Monday, Feb. 10, in 101 Kern. The public is invited.

Professor Yue Daiyun is professor of comparative literature and Chinese, and director of the Comparative Literature Institute, at Peking University. She also is president of the Chinese Comparative Literature Association and vice-president of the International Comparative Literature Association.

Professor Tang Yijie is professor of philosophy at Peking University. He is president of the International Academy of Chinese Culture and vice-president of the Research Council for Oriental Culture.

The Institute for the Arts and Humanistic Studies, the Department of Philosophy, the Women's Studies Program, the University Office of International Programs, and the Office of Research and Graduate Study in the College of the Liberal Arts are co-sponsoring the visit.

News in Brief

Blood drives

Two special blood drives have been scheduled for University Park.

The Division of Development and University Relations will host a blood drive on Friday, Feb. 14. As part of its celebration of National Engineers Week, the College of Engineering will host a drive on Monday, Feb. 17.

The two drives are expected to yield an estimated 75 pints of blood towards the Penn State-Temple Lifesaver Cup, a new winter campaign initiated with Temple University to boost depleted blood inventories throughout Pennsylvania.

If your work unit would like to host an in-house blood drive, please call Connie Schroeder, campus coordinator for the American Red Cross, at 237-2713.

Research mentors

During the six-week summer session (June 24-August 5), the University will offer faculty members an opportunity to serve as research mentors for the Westinghouse Science Talent Search program.

Faculty may supervise projects that are part of their own continuing research, in any of the natural, physical, social or behavioral sciences.

For additional information or to apply for mentorship, contact **Helen B. Warren**, Office of Summer Sessions, Spruce Cottage (863-4174).

Libraries award

Nominations are being sought for candidates for the 1992 University Libraries Award.

The award, consisting of a citation, a cash stipend, and a Nittany Lion Statue, is given in recognition of the achievements or performance of any person holding an academic or staff appointment in the University Libraries who meets one or more of the following criteria: professional contribution which has a significant influence on the operations of the Penn State Libraries; significant professional contribution which earns the respect of the University community for the Libraries; significant contribution to the profession which reflects achievement in librarianship at Penn State; or outstanding service to the Libraries as shown by continuing leadership and innovation.

Any member of the Penn State community may make a nomination. Nomination forms are available from the Libraries Administrative Office, E505 Pattee, or any Commonwealth Campus Library, and are due on or before Feb. 21.

Carpoolers

Seeking fourth person with vehicle to drive alternating days in carpool from Philipsburg to State College. Hours are 8 a.m. to 5 p.m. Call **Linda** at 865-1352 or **Lisa** at 865-0909.

Diana would like to carpool from Philipsburg to University Park. Her work hours are 7 a.m. to 3:30 p.m. Call 865-7623 or 342-3154 (after 4:30 p.m.).

Looking for a ride after work from the University to Unionville. Working hours are 8 a.m. to 4:30 p.m. Call **Marilee** at 355-2242 or 865- 9521.

Bernie is looking for a ride from Philipsburg to University Park. Her work hours are 8 a.m. to 4:30 p.m. Call 863-2325.

Carpool from Huntingdon and Alexandria area to University Park. Work hours are 8 a.m. to 5 p.m. Call **Judy** at 865-2505 or 627-3416.

Private Giving

Endowment established for Libraries

A view of Pattee Library at University Park

An endowment created by alumnus Donald M. Haag will provide funds to help the University Libraries make research materials available for future generations of scholars.

Mr. Haag, of South Pasadena, Calif., has given $50,000 to establish the endowment, which will support the acquisition and preservation of maps, music, prints, photographs and other rare archive materials.

"These materials are part of society's 'memory,'" Nancy M. Cline, dean of the Libraries, said. "Much will be lost to future generations if we allow them to disintegrate. But preserving them is an expensive proposition, and we are deeply grateful for Don Haag's support."

She added that the Haag endowment will fund part of a program the Libraries recently launched to preserve a wide variety of material in its research collections. Procedures include encapsulation, deacidification and microfilming.

A native of Greentown, Mr. Haag retired in 1972 as an executive with ITT-Grinnell working with contractors to provide equipment for oil refineries, water filtration plants and pipelines. He is a 1930 liberal arts graduate of the University and maintains a strong commitment to the value of a liberal education.

"I worked in the Library as an undergraduate, and I have very strong feelings for Penn State," he said. "It helped to shape my life."

Mr. Haag also noted that Head Football Coach Joe Paterno's strong support for the University Libraries, through the Paterno Libraries Endowment, influenced his decision to make a gift.

"I figured that since Coach Paterno doesn't make many mistakes, supporting the Libraries would be the right thing to

Autoport owners donate $50,000

Don and Susan Meyer, owners and operators of the Autoport Motel and Restaurant in State College, have donated $50,000 for two building projects at the University.

The Meyers divided their gift evenly between the Mateer Building, which will house the School of Hotel, Restaurant and Recreation Management, and the Academic/Athletic Convocation and Events Center.

Private gifts will provide about $4 million of the Mateer Building's total $6 million cost and $1 million for equipment. Construction of the facility, which will be located along Park Avenue near Keller Conference Center, has begun.

The University also is working to raise $20 million in private funds for the Convocation Center. That structure, to be located near Beaver Stadium, will be used for a variety of academic, athletic, cultural and entertainment events. It will cost an estimated $55 million and will open early in 1995.

Don Meyer is president of the Autoport, one of Pennsylvania's first motor hotels and a State College landmark. He has been involved in managing the business since he earned a bachelor's degree in hotel administration from Penn State in 1950. He assumed ownership of the Autoport in 1962 following the retirement of his father, Marion B. Meyer, who founded the motel and restaurant in 1936.

Don and Susan Meyer's three children — James, Elizabeth and Steven — also are Penn State graduates.

The Autoport has made a $2,500 gift to the Mateer Building fund.

Spring golf tournament set for May 17

Former President Eric Walker got a few tips on his golf grip from President Joab Thomas during a lull in an official ceremony recently. Both were participants in the 1991 Eric A. Walker Golf Tournament, held in the fall to raise funds for a new clubhouse. The 1991 event drew 56 players and raised nearly $9,000. The next tournament will be on Sunday, May 17. For more information, call Jeff Mowrer, assistant manager of the Golf Shop, at 863-0254.

Alumnus pledges $100,000 gift for project

Penn State alumnus **Richard H. Bard** and his wife, **Pamela,** of Denver, Colo., have given $100,000 toward the University's campaign to raise $20 million to build the new Academic/Athletic Convocation and Events Center.

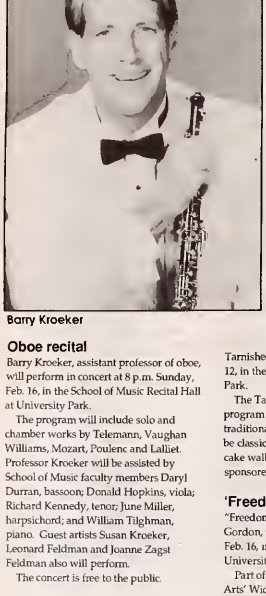
Mr. Bard is chief executive officer of Bard & Co., a merchant banking and real estate holding company based in Denver, and vice chairman and a major shareholder of ComputerLand Corp., the nation's largest computer retailer.

The Convocation Center will be used for a variety of academic, athletic, entertainment and cultural events. It will contain up to 16,500 seats and cost about $55 million. The state legislature has appropriated $33.8 million for the facility, and the University will raise the remainder from private sources.

Mr. Bard graduated from Penn State in 1969 and later earned a master's degree from City University of New York, Baruch College. He was chief executive of the Coast-to-Coast hardware store chain and co-founder and president of FoxMeyer Corp., the nation's third-largest drug wholesaler.

In 1987 he endowed the Irving and Irene Bard Professorship in The Smeal College of Business Administration in honor of his parents. He also serves as a member of the college's board of visitors and of the National Development Council, the University's highest-level fund-raising advisory group.

Focus on the Arts



Barry Kroeker

Oboe recital

Barry Kroeker, assistant professor of oboe, will perform in concert at 8 p.m. Sunday, Feb. 16, in the School of Music Recital Hall at University Park.

The program will include solo and chamber works by Telemann, Vaughan Williams, Mozart, Poulenc and Lalliet. Professor Kroeker will be assisted by School of Music faculty members Daryl Durran, bassoon; Donald Hopkins, viola; Richard Kennedy, tenor; June Miller, harpsichord; and William Tilghman, piano. Guest artists Susan Kroeker, Leonard Feldman and Joanne Zagst Feldman also will perform.

The concert is free to the public.

Odyssey on WPSU

On the next Odyssey Through Literature broadcast, host Leonard Rubinstein discusses the effects of American jazz and its rhythms on the writings of his guest, Josef Skvorecky.

"It's obvious that you vamp when you write," says Rubinstein, commenting on Skvorecky's novella The Bass Saxophone.

Mr. Skvorecky, who once aspired to be a great saxophonist, responds, "My ambition has always been to be a great entertainer." A Czech emigre now residing in Canada, he is a professor at the University of Toronto and the editor-in-chief of 68 publishing house in Toronto, as well as the author of eight novels.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

The arts on Channel 3

Great Performances presents "Kathleen Battle and Wynton Marsalis: Baroque Duet" airing at 9 p.m. Friday, Feb. 7, and 1:30 p.m. Saturday, Feb. 9, on WPSX-TV. Accompanied by the St. Luke's Chamber Orchestra, their duets include Bach's extraordinary Cantata No. 51, with its glorious trumpet and soprano arias.

Alternating between documentary and performance, the film shows Battle and Marsalis in their separate careers—Battle singing classical music and visiting her family, and Marsalis playing trumpet in a New Orleans jazz club with his father.

'The Tarnished Six'

HUB "Distinctive Styles" Concert Series presents The Tarnished Six at 8 p.m. Wednesday, Feb. 12, in the HUB Fishbowl at University Park.

The Tarnished Six, will present a program on the history and significance of traditional jazz 1890 to 1930. Included will be classic examples of hymns, blues, rags, cake walks and marches. The concert, sponsored by HUB Programs, is free.

'Freedom Train'

"Freedom Train," a play by Marvin Gordon, will be staged at 3 p.m. Sunday, Feb. 16, in Eisenhower Auditorium at University Park.

Part of the Center for the Performing Arts' Wide-Eyed Wonders series, the play is specially produced for younger audiences.

"Freedom Train" chronicles the life of Harriet Tubman, often called "The Moses of her people."

Tickets are $5 for adults and $3 for children. To reserve tickets, call the Eisenhower Auditorium Ticket Center.

Winter concert

The Penn State Philharmonic, under the direction of Douglas Meyer, will perform its winter concert at 8 p.m. Monday, Feb. 17, in Eisenhower Auditorium at University Park.

The program will feature cellist Kim Cook and violinist James Lyon, new faculty members in the School of Music, performing Brahms' Concerto for Violin and Cello in A Minor, the "Double Concerto."

The program also will include Adagio for Strings by Samuel Barber and Dance Bacchanale from "Samson and Dalila," by Saint-Saens.

Tickets are $5 for adults; $3 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center.

Joint concert

The Penn State Percussion Ensemble, under the direction of Dan C. Armstrong of the School of Music faculty, and the Wilkes University Percussion Ensemble, under the direction of Robert Nowak, will perform in concert at 8 p.m. Wednesday, Feb. 19, in the Music Building Recital Hall at University Park.

In addition to performing separately, the two ensembles will join to perform "Antiphon," by University of Tennessee percussion teacher F. Michael Combs and a transcription for marimbas of the Adagio movement of Saint-Saens' Symphony No. 3.

The Penn State Percussion Ensemble will perform works by Warren Benson and Bela Bartok and a ragtime suite arranged by Armstrong.

The concert is free to the public.

Bach's Lunch

The Tuba-Euphonium Ensemble will perform in concert at 12:10 p.m. Thursday, Feb. 20, in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

Under the direction of Mark L. Lusk of the School of Music faculty, the ensemble consists of 20 euphonium and tuba students, most of whom are music majors.

Jazz diva in concert

Jazz vocalist Betty Carter will perform in concert at 8 p.m. Thursday, Feb. 20, in Eisenhower Auditorium at University Park.

While still a teen-ager, Ms. Carter made her professional debut with Charlie "Bird" Parker. At 18, she joined Lionel Hampton's band, where her fondness for scat singing earned her the nickname, "Betty Bebop." During the 1950s and '60s, she performed and recorded with many of jazz's biggest names, including Ray Charles, Dizzy Gillespie, Sonny Rollins, Miles Davis and Max Roach.

Tickets are $15, $11 and $9 for adults; $11, $7 and $5 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center.

'Buried Child'

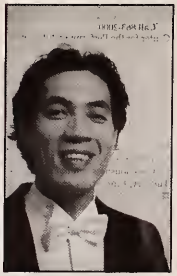
The University Resident Theatre Company will begin the second half of its 1991-92 season with a production of "Buried Child," by Sam Shepard. The show opens Friday, Feb. 21, and runs through Friday, Feb. 28, in the Pavilion Theatre at University Park.

"Buried Child" won the Pulitzer Prize in 1979. The drama revolves around the members of a Midwestern family whose inability to deal with the past seems to deny them much hope of a future.

"Buried Child" will be performed at 8 p.m. Friday, Feb. 21 through Friday, Feb. 28, with a matinee performance at 2 p.m. Saturday, Feb. 22. Student previews will be held at 8 p.m. Wednesday, Feb. 19, and Thursday, Feb. 20. Tickets to performances Monday through Thursday nights and the Saturday matinee are $7 for adults; $4.50 for students. Weekend performances are $8 for adults; $5.50 for students. Tickets to the student previews are $3.50 with a valid Penn State I.D.

Faculty member concert

Double bassist Michael Wang, new



Michael Wang

member of the School of Music faculty, will perform in concert at 2:30 p.m. Saturday, Feb. 22, in the Music Building Recital Hall at University Park.

The program will include works by J.S. Bach, K.D. Dittersdorf, S. Rachmaninoff and D. Dragonetti. School of Music faculty member Marylene Dosse, piano, will be accompanist.

Professor Wang has been bassist for the Singapore Symphony, the Iceland Symphony and the Icelandic Opera. He was a member of the National Orchestra Association of New York and the Orquestra Sinfonica De Tenerife, Spain.

The concert is free to the public.

See 'Arts' on Page 10.

University Park Calendar

February 6 - February 16

Special Events

Thursday, February 6
Noontime Concert, Gordon Law and Friends, Kern Lobby.
AIDS: Let's Talk (Enlightening Lunches Brown Bag Wellness Series), noon-1 p.m., Paul Robeson Cultural Center Aud. Register, Faculty/Staff Health Promotion Office, 865-3085.
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Chamber Singers.

Friday, February 7
■ Recital in memory of Eugenio Battisti, featuring Italian songs from the 16th to early 20th century, 7:30 p.m., HUB Gallery Lounge.

Saturday, February 8
■ Minority Faculty Development workshop, "The Publishing Process," 9:30 a.m.-12:30 p.m., 114 Kern. Emilia Martinez-Brawley, presenter. Reservations, Leah Witzig at 863-1663.
Shaver's Creek, 2:30-4 p.m., Armchair Birding. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Limon Dance Co.

Sunday, February 9
Shaver's Creek, 1-3 p.m., Winter Botany. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Coup De Grace (1976); 8:45 p.m., Double Indemnity (1944): Carnegie Cinema. Free.

Monday, February 10
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Daiyun Yue on "Awakening of Feminist Consciousness in Modern Chinese Fiction."

Tuesday, February 11
■ Talk, 2:30 p.m., Paul Robeson Cultural Center. Marie Coleman, first assistant secretary for Policy Development, on "Social Care Policy for the Aging in Australia: Some Current Developments."
Workshop, "Healthy Same Sex Relationships," 7 p.m., HUB Gallery Lounge.

Wednesday, February 12
Noontime Concert, "The Pennsylvania Quintet," Kern Lobby.
Center for Women Students, Brown Bag Lunch Series, noon-1 p.m., 120 Boucke. Patricia Barthalow Koch on "The Cycles of Women's Sexuality."
Workshop, "We Need To Talk!", 7 p.m., HUB Gallery Lounge.
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly Room. Jonathan Ned Katz on "The Invention of Heterosexuality: A History."
School of Music, 8 p.m., Recital Hall. Centre Dimensions, Univ. Jazz Ensemble.
HUB "Distinctive Styles" Concert Series, 8 p.m., HUB Fishbowl. The Tarnished Six. Free.

Thursday, February 13
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Flute Ensemble.
School of Music, 8 p.m., Recital Hall. Mark L. Lusk, trombone.

Friday, February 14
Dance Marathon, White Bldg., through Feb. 16.
Shaver's Creek, 8-10 p.m., Couples Stargazing. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Marvin Hamlisch.

Saturday, February 15
Publishing Process Roundtable, 9:30 a.m.-12:30 p.m., 114 Kern. Emilia Martinez-Brawley, presenter. Register, 863-1663.
Shaver's Creek, 10 a.m.-3 p.m., Maple Sugar Volunteer Training. Call 863-2000.

Sunday, February 16
Shaver's Creek, 2-4 p.m., Bird Hospitality. Call 863-2000.
Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Freedom Train."
Carnegie Hall Film Series, 7 p.m., Smiles of a Summer Night (1955); 9 p.m., D.O.A. (1950), Carnegie Cinema. Free-School of Music, 8 p.m., Recital Hall. Barry Kroeker, oboe.

Conferences

Continuing Education
Keller Building
Feb. 6. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Feb. 11 and 13. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.

Exhibits

Chambers Gallery
"Undergraduate Paintings and Sculpture," through Feb. 28.
Hetzel Union Art Galleries:
Formal Gallery:
Paintbrush Diplomacy: Children's Art from the Americas, through March 1.
Art Alley Panels:
Kevin Rolly, photographs, through Feb. 9.
Browsing Gallery:
A Voice of Peace and Reason, through Feb. 23.
Kern Gallery
■ Jewelry from Kenya, through Feb. 7.
Black Fraternities and Sororities, through Feb. 7.
Photography, Bill Mahon, through Feb. 7.
Mountains, Thomas Smyth Jr., Feb. 10-March 17.
Palmer Museum of Art
"The Art of American Livestock Breeding," through March 29.
Pattee Library
Main Lobby:
"Penn State's Presidential Families," through Feb. 29.
West Lobby:
■ "Saudi Arabia—Tradition House," Fawaz F. Abunayyan oil paintings exhibition, through Feb. 29.
Rare Books Room:
An exhibit of antebellum southern humor, through March 6.
Lending Services Gallery:
"Vision Caressing Emotion," Rose Lucas watercolor collage exhibition, through Feb. 29.

This painting by Betty Kono is part of "A Voice of Peace and Reason," an exhibition of art works produced by 20 artists and on display at the Browsing Gallery in the HUB until Feb. 23.

Paul Robeson Cultural Center
Paintings and Collages, Darrell Johnson, through Feb. 24.
Zoller Gallery
"The Tactile Vessel—New Basket Forms," an exhibition of contemporary American baskets on loan from the Erie Art Museum, through Feb. 23.

Seminars

Thursday, February 6
Computer Science Colloquium, 2:30 p.m., 105 Wartik. Karen Sollins, Massachusetts Institute of Technology, on "The Mercury Project and Distributed Systems Work at MIT."
Gerontology Colloquium, 4 p.m., 106 Mitchell. Kathleen Barry on "Women's Singleness at Midlife: Grounded Theory in the Study of Adult Development."

Friday, February 7
Physics Colloquium, 11 a.m., 55 Osmond. Dr. Ashtekar, Syracuse, on "Quantum Gravity, Old Problems and New Hopes."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Timothy Glennon on "Continuum Models of Electrostatic Effects."
Geog. Coffee Hour, 4 p.m., 319 Walker. Kate McClain on "House Prices during Siting Decision Stages: The case of an incinerator from rumor to operation." Refreshments, 3:30 p.m.
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. James C. Young on "Toxicity Assessments in Wastewater Treatment Systems."

Monday, February 10
Ag Eng., 12:20-1 p.m., 239 Ag Eng. Michael Groszkiewicz.

Tuesday, February 11
Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Jerold M. Schultz, Univ. of Delaware, on "Structure Development in Melt-Spun Fibers."
Chemistry Colloquium, 3:30 p.m., 55 Osmond. Joseph J. Villafranca on "The Regulation of Enzymatic Catalysis."
CAMP, 4 p.m., 339 Davey. Richard Superfine, Berkeley, on "Ordering, Conformation and Interaction at Molecular Interfaces: Insights from Nonlinear Optical Spectroscopy."
Graduate Program in Nutrition, 4 p.m., 217 Willard. Audrey Maretzki on "Coming to Public Judgment: The Role of the Nutrition Educator in Food and Nutrition Policy."

Wednesday, February 12
Eng. Science and Mechanics, 3:35 p.m., 315 Hammond. Donald L. Hunston, NIST, on "Toughened Resins As Adhesives and Composite Matrices."
CAMP, 4 p.m., 339 Davey. N. Goldenfeld, Illinois.

Thursday, February 13
Physics Colloquium, 3:30 p.m., 55 Osmond. Roy Schwitters, SSC, on "The Status of the SSC."
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Michael Marsiske on "Older Adults' Performance On Instrumental Activities of Daily Living (IDLs) and Mental Abilities."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Christos A. Polyzois, Princeton Univ., on "Remote Backup Algorithms for Transaction Processing Systems."

Friday, February 14
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Timothy Zwier, Purdue Univ., on "Multiphoton Ionization Studies of Solvent Effects in C_6H_6-$(H_2O)_n$ and C_6H_6-$(CH_3OH)_n$ Clusters."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. L.E. Casida on "Predator Bacteria As A Means For Controlling Plant Disease."
Geog. Coffee Hour, 4 p.m., 319 Walker. Bill Turner, Clark Univ., on "Induced Intensification." Refreshments, 3:30 p.m.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ **Reflects an international perspective**

Committee formed to fill coordinator position

A search and screening committee to seek internal candidates for the position of undergraduate fellowships coordinator, has been appointed by **C. Gregory Knight**, vice provost and dean for undergraduate education. **Eric R. White**, director of the division of undergraduate studies and acting undergraduate fellowships coordinator, is committee chair.

Other members include **Shannon L. Burke**, member of Academic Assembly, Undergraduate Student Government; **H. Mary Gage**, associate professor of film and video and academic officer for Education Abroad Programs and University Fulbright advisor; **Anna M. Griswold**, assistant vice president for student financial aid; **Catherine G. Lyons**, administrative fellow, Office of the President; **Robert N. Pangborn**, professor of engineering mechanics; **James M. Rambeau**, acting director of the University Scholars Program and associate professor of English and American studies; **Joseph E. Schall**, instructor in the College of Earth and Mineral Sciences, and **M. Joan Schumacher**, director of graduate student financial resources.

The coordinator is responsible to the vice provost and dean for undergraduate education for directing the Undergraduate Fellowships Office which is housed in Willard Building. Primary duties include promotion within the University community of activities related to the identification, recruitment, nurturing, and formal application by Penn State undergraduate students to nationally recognized award-granting programs.

The position is a three-year, half-time appointment concurrent with the academic year. Candidates should hold a tenure-track faculty, regular staff, or administrative position and should have strong interest in undergraduate students and the advising/mentoring process. Previous experience working with awards, prizes, and fellowship applications is desirable as is directing students in communication, writing, critical thinking, and interviewing skills. Administrative skills also are necessary.

The search and screening committee will begin reviewing applications on Feb. 21. An appointment will be made as soon as the selection process is complete. **Applicants should submit a letter of application, a current curriculum vitae, and arrange for three letters of recommendation to be sent to Eric R. White, Chair, Search and Screening Committee for the Undergraduate Fellowships Coordinator, 207 Old Main, University Park, PA, 16802.**

Vacancies

Continued from Page 16

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **February 13.**

■ **10218, Director, Student Affairs** — Responsible to the associate dean of student and alumni affairs and the assistant deans of student affairs for the administrative and counseling functions performed in the Office of Student Affairs, including records, counseling of students and awarding of student aid, registration, etc. Requires a master's degree in a relevant area (admissions, student affairs, financial aid, student services) and two to three years of effective experience. STAFF EXEMPT, GRADE 7.

Faculty/Staff Alert

SPEC program development continues

The SPEC (Staff Position Evaluation and Compensation) program project team has been working on the new program's development since the distribution of 7,200 position information questionnaires (PIQ) to staff employees in December 1990.

Reflecting on the team's activities in 1991, Rachel Miller, manager, Salary Administration and Classification, said, "many of us were quite familiar with the administration of our current program, but hadn't realized how much effort would be required to design and develop the new one. We are pleased, though, with the results of the project so far."

In fact, the project team has completed all of the key design and development phases of the project. As a result, the new SPEC program currently has all jobs evaluated and assigned to new grades and pay ranges. The software system for managing the program's data has been installed and the familiarization with program elements by Office of Human Resources staff has been completed. Further testing of the program's design this winter will ensure that it satisfies the objectives established when the program was initiated.

One of the most important project activities that remains is to review the proposed grade assignments of jobs with the responsible areas of each college and administrative unit in the University. This review process is planned to continue for the next three months.

"We are committed to making the best possible decisions with the best information we can get," Ms. Miller said. "The involvement of managers, supervisors and everyone contributing is an important part of that commitment."

Implementation of the SPEC program is scheduled for July 1. Employees will be receiving more information prior to that time.

Arts

Continued from Page 8

'Celebration of Love'

The Penn State chamber Singers will present the sixth annual Celebration of Love concert at 7:30 p.m. Saturday, Feb. 22, in the Rotunda of Old Main at University Park. The Celebration of Love began in 1987 as a tribute to the late Professor Emerita Willa Taylor.

The program will include love texts from various eras. The Chamber Singers will perform a cappella works ranging from the Renaissance through the 20th century. Several lieder by Johannes Brahms will be performed, as well as "Le Chant Des Oyseaux" by Janequin, a chanson in which the calls of dozens of birds are portrayed musically. Also on the program will be works by Thomas Ford, John Farmer, James Mulholland, Ross Lee Finney and Rene Clausen.

Professors Lowell Manfull and Helen Manfull, along with two acting majors from the Department of Theatre, will perform short dramatic readings on the subject of love.

To cover the cost of a reception following the performance, admission will be $7.50. Seating in Old Main Rotunda is limited, and interested persons are encouraged to reserve tickets early by calling (814) 863-2142 or writing or visiting 114 Arts Building, University Park, Pa. 16802.

Art exhibit

"A Voice of Peace and Reason," an exhibition of art works produced by 20 artists, is on display at the Browsing Gallery in the Hetzel Union Building at University Park until Feb. 23.

The exhibition organized by Dori Lemeh, assistant professor of art, consists of works of art that explore the topical issues related to the theme of human rights. The works of art produced by the participating artists either depict images that embody symbols of healing and of hope or illuminate the tragic historical consequences that occur when one group denies the social, religious and personal freedoms of another.

In conjunction with the exhibit, Charles Garioan, associate professor of art education, and his students will present an evening of performances titled, Circumstantial Evidence in the Paul Robeson Cultural Center at 8 tonight. Dr. Garioan and his students first presented their performances at the Birmingham Loft in Pittsburgh in celebration of Amnesty International.

A lecture based on the concerns and issues addressed in the art exhibition will be given by Stephen Carpenter, art education Ph.D. candidate. A date and time of his lecture will be announced.

Arts at...

Wilkes-Barre Campus

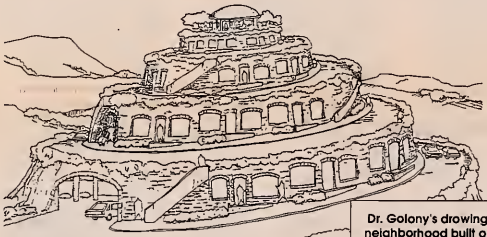
The Medieval Musicale Feaste will be held at 4 p.m. Sunday, Feb. 16, at 4 p.m. at Hayfield House on the Penn State Wilkes-Barre Campus.

Open to the public, the Feaste will feature dinner fit for the highest nobility, and music performed by the choruses from Penn State's Wilkes-Barre and Hazleton campuses, who will be clothed in reproductions of the garments worn in the 12th-13th century. The program is sponsored by the campuses; as well as the University's College of Arts and Architecture, and School of Music.

Focus on Research

Living underground in America

Other countries already ventured below surface



Dr. Golony's drawing of a neighborhood built above and below ground into the natural slope of a hill

Going underground may be one solution to overcrowding in cities worldwide, according to a Penn State urban designer.

"A shortage of space is occurring all over the world," said **Gideon S. Golany**, Distinguished Professor of Urban Design. "This is particularly true in metropolitan areas such as Tokyo, Shanghai, Hong Kong, New York and London.

"Cities everywhere have grown beyond the point of manageability, and their inhabitants now pay an invisible social and economic price. Utility networks have become overextended, and urban areas are eating up prime agricultural land."

As a Fulbright research scholar in Japan, he recently studied 78 underground shopping centers. He is writing the book, *Geo-space City*, with professor Tashio Ojema, head of the Department of Architecture at Waseda University in Japan and an expert on Japanese below-ground construction.

"The geo-space city is a combination of above-ground and below-ground built city. Both cities complement each other." Dr. Golany said. "Building the underground city on a slope allows it to have ample light and sunshine, direct eye contact between indoors and outdoors and a natural ventilation system.

Location on a slope overcomes the psychological resistance to underground rooms as dark, damp and unhealthy.

"Historically, the healthiest and most environmentally sound cities have been built on slopes."

He said that a city can be built in and on a slope even up to 80 gradient degrees. Conventional architectural wisdom discourages building on a slope beyond 7 degrees.

underground cities

His research findings indicate that, besides conserving land, subterranean construction would require only one-seventh of the average utilities network now needed for urban development.

"I am calling for the removal of most, if not all, urban transportation facilities to below ground in the form of subways, high-speed rail and roads. Above-ground streets and roads are extremely expensive," the researcher said. "Furthermore, their absence above ground would mean a safer, more natural environment for pedestrians, children, the pregnant and the elderly.

"Underground settings would be ideal for surgical units of hospitals," Dr. Golany noted. "Hospitals in China are using underground space now. Physicians in both China and Israel learned independently that post-surgery recuperation occurs 20-25 percent faster in an underground environment, since healing is promoted by a consistent, stable seasonal temperature and humidity."

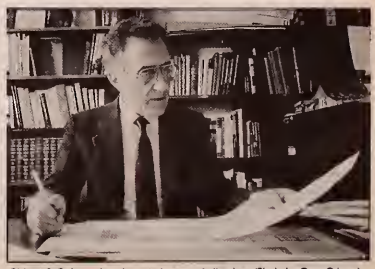
He has determined that 55 percent of the buildings in an average city do not require windows and that consequently these buildings can be constructed at shallow depths underground.

"The underground city could be built in three tiers based on the level of human activity," Dr. Golany said. "The first tier, from one to 10 meters, would be fused with the above-ground city and would accommodate high levels of activity operating on a normal day-and-night schedule. Most commercial establishments, some hospitals and schools could be built at this level."

The second tier, from 10 to 50 meters down, would be suitable for areas of less human activity since as subway and delivery systems, parking, non-polluting industries and energy generating stations.

"The third tier would be devoted to land uses requiring a very low level of human activity," "This would consist of long-range storage or warehousing, with most of the physical transfer being carried out by robots and high speed monorail."

Dr. Golany's third book on Chinese underground housing is *Chinese Earth-Sheltered Dwellings: Indigenous Lessons for Modern Urban Design*, recently published by the University of Hawaii Press. —Paul A. Blaum



Gideon S. Golony at work on underground city plans (Photo by Greg Grieco)

Partings

Emeritus status bestowed

Leading nutrition researcher retires after 42 years

Helen Guthrie, one of the nation's leading nutrition researchers, has retired with emeritus status after 42 years service.

Helen Guthrie

Dr. Guthrie, holder of the Helen A. Guthrie Chair in Nutrition in the College of Health and Human Development, held the only Penn State chair carrying the name of an active faculty member and was the first woman at Penn State to hold a chair.

Past president of both the American Institute of Nutrition and the Society for Nutrition Education, she has been an adviser and consultant for the U.S. Department of Agriculture, National Institutes of Health, Johnson and Johnson, and Kraft General Foods, among other organizations. She served for 10 years on the board of directors of Nabisco Brands and also served on the boards of the International Life Science Institute and the Nutrition Foundation.

She was a member of a four-member committee that prepared a report to Congress on the nutritional health of the U.S. population, and of several National Academy of Sciences committees, including one that establishes the Recommended Dietary Allowances (RDAs) for Americans.

Dr. Guthrie came to the University as an instructor in 1949 and served as the head of the Nutrition Department twice, from 1971 to 1975 and 1979 to 1989.

In 1974 she was awarded a grant from the Howard Heinz Endowment that provided the impetus for developing a nutrition education curriculum for kindergarten through twelfth graders in Pennsylvania. The grant also helped to establish the Nutrition Center and supported a number of University studies on nutrition education strategies.

She is editor of Nutrition Today and has been a reviewer for a number of other journals. She is the author of the book Programmed Nutrition and a widely used textbook, Introductory Nutrition, now in its seventh edition.

She has received a number of awards, including the Borden Award from the American Home Economics Association, the Atwater Award from the U.S. Department of Agriculture, and the Conrad A. Elvehjem Award for Public Service in Nutrition from the American Institute of Nutrition. She was elected a Fellow of the American Institute of Nutrition last year, and received the Distinguished Research Career Award from the College of Health and Human Development in 1989.

Dr. Guthrie holds a bachelor's degree in home economics and an honorary doctorate from the University of Western Ontario, a master's degree in nutrition and biochemistry from Michigan State University, and a doctorate in physiology from the University of Hawaii.

Hershey Medical Center employees end longstanding service to University

Walter "Paul" Brandt, patrol officer, safety and security, at the Hershey Medical Center, has retired after 24 years service.

Mr. Brandt began working at the Medical Center in September 1967 in the steam plant. He worked there for seven years before moving to Building Operations Center, where he worked for 17 years until becoming a patrol officer in October 1990.

Janet Warner, senior clerk, Department of Comparative Medicine, at the Hershey Medical Center, has retired after 23 years service.

Janet Warner

When she started in 1968, Ms. Warner's primary responsibilities were obtaining laboratory animals for the Medical Center's researchers and answering phones. But as the Medical Center grew, so did her responsibilities.

"I basically grew with the job," she says. Now, in addition to her original duties, she produces a variety of financial reports each month.

Ms. Warner expects to be quite active in retirement. "I have friends who have promised to keep me busy." In addition, she would like to do more traveling and remain very active in her church.

Vivian Ferrar, clerk A, Radiology, at the Hershey Medical Center, has retired after 20 years service.

"I like the people whom I work with and the daily patient contact. I like being around people," she says. After retirement, she says, "I will miss the people and the patients."

Vivian Ferrar

Ms. Ferrar is looking forward to retirement and a more relaxed pace. "We have jobs around the house that we've put off, and now we'll be able to do them at a more leisurely pace," she says. She also is looking forward to seeing her sons in Atlanta and Orlando more frequently than in the past, as well as a Caribbean cruise one son is taking her on in January.

ARL toolmaker retires

Richard E. Norris, a toolmaker in Operations at the Applied Research Laboratory, has retired after 25 years of service.

Richard E. Norris

He began working at the Laboratory in April 1966 as a technical service employee, and became a machinist B. He later was promoted to machinist A. In recent years he was involved in the cutting of composite materials for ARL's Manufacturing Science Department.

Mr. Norris served in the Third Armored Division of the U.S. Army from 1956 to 1958, which included a tour of duty in Germany. He then served a four-year machinist apprenticeship as a civilian employee at Holmestead Air Force Base, during which he acquired his technical skills.

He has long been active in service to his church, holding responsibilities such as chairmanship of the administrative board. He plans to remain in the area for a quiet retirement, spending some winters in Florida and visiting the families of his four grown children.

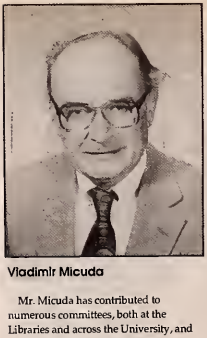
Partings

University Libraries faculty and staff members retire after many years of service

Longstanding careers of faculty members, **Vladimir Micuda, Catherine A. Carter, Donald C. Henderson Jr.,** and **Anthony J. Venett,** and staff members, **Francis E. Hooley, Martha B. Gallagher, Georgeine Brown, Dean A. Brungart, Janice M. Brungart, Lois W. Conner, Maura N. Dilkes,** and **Lala M. Hall,** have come to a close at the University Libraries.

Vladimir Micuda, chief of the Science and Technology unit, has retired after 25 years service.

He began his career in the Libraries as an agricultural and biological science librarian. Following a reorganization in 1977, he became chief of the Science and Technology unit. He also held the position of acting assistant dean and head of the Reference and Instructional Services Division in 1989.



Vladimir Micuda

Mr. Micuda has contributed to numerous committees, both at the Libraries and across the University, and under his leadership, many of the collections in the areas of science and technology have received national recognition. He has been involved in international programs with countries such as Sri Lanka and Swaziland, and has built a reputation for Penn State in the federal government sector, particularly with the National Agricultural Library.

He earned a degree in forestry from the University of Zagreb in Croatia and an M.A. in library science from Indiana University. In addition, he is a recipient of the 1989 University Libraries Award.

Associate Librarian **Catherine A. Carter** has retired after 37 years service.

Ms. Carter earned an A.B. from the University of Kansas, an M.L.S. from the University of Michigan, and an M.A. in linguistics from Columbia University. She joined the Libraries in September 1951 as an assistant catalog librarian and was promoted to senior assistant librarian in 1967. In 1969 she was promoted to associate librarian and held the position of principal cataloger at the time of her retirement.

Donald C. Henderson Jr. associate librarian, Hispanic Collections and Services, retired after 22 years service.

Dr. Henderson joined the Libraries in 1969 as head of the Hispanic Library Program. In addition to his work in the Libraries, he taught Spanish as an affiliate associate professor at Penn State since 1982. Prior to joining the University, he was an associate professor of Spanish at the State University of New York at Plattsburgh.

Dr. Henderson holds a B.A. from the University of Vermont, an M.A. in international relations from Johns Hopkins University, an M.A. in Spanish from Middlebury College, and an M.L.S. in library science from the University of Michigan. He earned his Ph.D. in Latin American history from Michigan State University.

He has served on several of the Libraries' committees and has been a member of the Latin American studies committee in the College of Liberal Arts since 1969. His professional memberships also include the Chile and Rio de la Plata Committee of the Conference on Latin American History, the Society of Spanish and Portuguese Historical Studies, and the Seminar on the Acquisition of Latin American Library Materials.

Dr. Henderson has compiled and contributed to several bibliographies, and is author of a recent book titled, Peru visto por LAS: historia y vida politica.

Francis E. Hooley, manager of Business Operations, has retired after over 30 years service.

Mr. Hooley began his career at Penn State in the Budget Office. In October 1962, he joined the Libraries as an assistant to the librarian, and in 1970, he became chief of Budgeting Services. He was promoted to his current position in 1974.

Mr. Hooley is a native of Clinton County and served four years in the U.S. Navy before receiving a B.S. in business administration (accounting) from Penn State. He is a recipient of the 1990 University Libraries Award.

Martha B. Gallagher, cataloging assistant, retired after 22 years service.

Ms. Gallagher began her career at Penn State in the Libraries as a part-time clerk. In 1969, she became a full-time clerk in the Libraries' Bibliographic Processing unit, where she worked with monographs written in Slavic languages. In 1970, she was promoted to library assistant and for the next seven years, worked exclusively with Slavic books and related language materials purchased through the Slavic Program. Ms. Gallagher continued her career as library assistant until 1984 when she became a cataloging assistant.

She holds a B.S. in dairy science from Penn State and has earned additional credits in Polish language, psychology, and Russian language, culture, and literature.

Georgeine Brown, information processing clerk, retired after 25 years service. Ms. Brown first held the position of clerk in the Circulation unit of the Libraries and moved on to be the night shift supervisor. In 1978, she became an Acquisitions searcher and in 1980, she became an information processing clerk.

After 38 years service, **Dean A. Brungart**, senior clerk, has retired. Mr. Brungart attended Miles Township High School and joined the University in 1952. He served over 23 years in the Libraries. His wife, **Janice M.**, also a senior clerk, has retired after 32 years service. Most of her service time was in the Libraries.

Lois W. Conner retired after 21 years service. Ms. Conner graduated from Central High School in Washington, D.C. and joined the University in 1970. At the time of her retirement, she held the position of clerk in the Bibliographic Processing unit in the Libraries.

Maura N. Dilkes retired after 21 years service. A graduate of Davao City High School in the Phillipines, she joined the University in 1970. She held the position of clerk in the Bibliographic Processing unit in the Libraries.

Lala M. Hall has retired after 24 years service. Ms. Hall started working in the Libraries in 1968 as a typist in the catalog department. In 1970, she became a cataloging clerk in the serials department. At that time, the Libraries was reclassifying its collection from the Dewey Decimal system to the Library of Congress.

As part of the information processing unit in 1980, Ms. Hall's responsibilities shifted from the reclassification to the retrospective conversion of the monograph and serial shelf list, as well as processing new books with copy and pre-order searching. Her responsibilities changed again in 1986 to processing new books with copy. At the time of her retirement, Ms. Hall held the position of clerk in the Bibliographic Processing unit.

Anthony J. Venett, associate librarian and head of Library Information Service for the Pennsylvania Technical Assistance Program (PENNTAP), has retired after 25 years service.

Mr. Venett graduate from Penn State with an A.B. in Arts and Letters majoring in science and earned an M.S.L.S. from the Carnegie Institute of Technology. In addition to serving as head of Library Information Service for PENNTAP, he has worked in numerous science and technology subject libraries. Before joining the Libraries, he worked in several different areas of industry.

His professional career includes serving on a number of University committees, presenting at several civic groups, and teaching technical writing at Penn State.

Anthony J. Venett

Partings

Music specialist brings 24-year career to close

Amada G. Santos-Ocampo DeFrancesco, music specialist in the College of Health and Human Development, has retired after 24 years service.

Ms. DeFrancesco began working at the University in 1967 in the former Department of Physical Education (now Exercise and Sport Science) as a piano accompanist in modern and folk dance classes. Later she accompanied classes in modern and contemporary dance and ballet, and served as an accompanist for Penn State gymnastics, the Contemporary Dance Company, and Orchesis Dance Company.

A composer, she recently performed one of her selections "In the Primitivism" with her husband Rio for an Orchesis production. She also has been the organist for Sunday Worship at the Penn State Catholic Center for the last 15 years.

She holds a degree in music teaching with a major in piano from St. Paul's Conservatory of Music, and a bachelor's degree in music composition from Centro Escolar University, both in Manila, Philippines. She also holds a master's degree in music composition from DePauw University School of Music and took additional courses at Indiana University School of Music.

A. Santos-Ocampo DeFrancesco

Assistant professor of physics retires from teaching at McKeesport Campus

Clarence W. Fette, assistant professor of physics at the Penn State McKeesport Campus, has retired after 21 years of service.

A graduate of Carnegie Institute of Technology with B.S. and M.S. degree, he received a Ph.D. in physics. Prior to joining the McKeesport faculty, he was instructor in physics and the University of Pittsburgh and research physicist at Carnegie-Mellon University.

Clarence W. Fette

Previously, he served as head of the Department of Mathematics and Physics at Wheeling College and as a research physicist for Jones & Laughlin Steel Corp. and the U.S. Bureau of Mines.

At McKeesport, he has been president of the Faculty Senate and chairman, Computer Subcommittee on Research, Scholarly Activity, and Administrative Support. He also has served as faculty adviser to Delta Kappa Phi fraternity, the Outdoors Club, and the Veteran's Club.

Of his retirement, he says, "I'm only 60 years young. I'm going out and get another job."

Hershey Medical Center

Two employees retire after decades of service

Charles E. Williams Jr., assistant manager, General Services, at the Hershey Medical Center, has retired after 33 years service at the University.

Charles E. Williams Jr.

Mr. Williams joined the Penn State staff in Telephone Service at University Park in 1958. He then moved to the Department of General Services. He joined the Medical Center in 1973 because "it looked like a good opportunity and it would mean a change of scenery."

He said his most challenging task was "installing the new telephone system during the 1980s. We had to check and activate approximately 1,500 phone lines."

He doesn't have very elaborate plans for his retirement. "I going to take each day at a time and see what comes."

May E. Sauer

May E. Sauer, coding/pricing specialist at the Hershey Medical Center, has retired after 20 years service.

Mrs. Sauer's adaptability has helped her cope with constant change in health-care finance. She was recognized for these qualities when named an Employee of the Month in 1984 and Employee of the Year for 1984-85.

Mrs. Sauer has two daughters, Sandra Carl and Marsha Sauer, who both work at the Medical Center.

Associate professor ends 36-year career at ARL

Ralph M. Seeley, associate professor of engineering research at the Applied Research Laboratory, has retired after 36 years service.

In 1955 Mr. Seeley was hired as a research associate at ARL, then the Ordnance Research Laboratory. He earned a master's degree in electrical engineering from Penn State in 1960, and within five years was promoted to associate professor of engineering research.

During his first 25 years at the Laboratory, he specialized in the design of electronic circuits and systems; through the last 10 years, he worked in systems analysis. In February of last year, he received a letter of commendation from the Navy. He is a senior member of the IEEE and a member of Sigma Xi.

A 1952 graduate of Duke University, Mr. Seeley joined the technical staff at Bell Laboratories. At Penn State, he has supported students as a faculty advisor for the Outing Club since 1980.

Both he and his wife, Barbara, have received awards for their work in community programs. A committed environmentalist and outdoor enthusiast, with Barbara, he edits and publishes a quarterly newsletter for a new group called the Ridge and Valley Outings Cooperative, which initiates and publicizes volunteer-led outings of all sorts.

In his free time, Mr. Seeley paints in watercolor at his summer home in Deer Isle, Maine.

Partings

Science editor retires after 25 years

Harlan Berger, former editor of *Research Penn State*, has retired after more than 25 years service.

As science editor for Research and the Graduate School, he has been telling the story of Penn State research to legislators, media writers, government agency personnel, industrial executives, and other constituencies of the University. In the past 18 months, Mr. Berger has divided his time between the Graduate School and Student Services.

In 1980, he and Charles Fergus began Research/Penn State, the University's quarterly science magazine, which every year has won national awards from the Council for Advancement and Support of Education.

Mr. Berger is a past president and member of URMA, the University Research Magazine Association and is a member of the National Association of Science Writers. He also serves as a director of Counseling Service in Bellefonte, and is a member of Battery B, 3rd Pennsylvania Light Artillery.

He has served on township water, library, planning, and park boards in Centre County. He was co-author of the newspaper column, "Stan Sanders," with Jack MacMillan and is co-author with Richard C. Nelson of the Prentice-Hall text, Handball.

Before coming to Penn State, Mr. Berger edited the monthly magazine of the American Society for Testing and Materials.

Harlan Berger

Hershey Medical Center

Assistant ends 23 years of service to University

Miles R. Kreider, gross anatomy assistant at the Hershey Medical Center, has retired after 23 years of service.

Mr. Kreider began working in the gross anatomy lab in the winter of 1968. He has been in charge of the cadavers used in research since that time.

Mr. Kreider says his plans for the immediate future include some rest at home. He recently was discharged from the hospital following some health problems, but hopes to do some traveling in the future.

Three at McKeesport depart

Robert E. Babcock, assistant professor of engineering at the Penn State McKeesport Campus, has retired after 21 years service.

Professor Babcock, who retired from the U.S. Navy in 1969, received a master of engineering degree from Penn State in 1970 and started his teaching career at the McKeesport Campus the same year.

From 1985-1987 Professor Babcock served as president of the Representative Council, the campus faculty organization. He received the 1979 College of Engineering Excellence in Teaching Award; the 1982 McKeesport Campus Outstanding Teaching Award and the 1987 Penn State Engineering Society Excellence in Advising Award. He served as technical adviser to the campus radio station for 20 years.

Robert E. Bobcock

A variety of interests and hobbies will keep him busy, not the least of which is his amateur radio activities, computers, electronic experimentation, traveling, and camping. "The possibility of teaching for limited periods, writing, and consulting also are on the agenda, but that's in the more distant future," he said.

Betty Welcker, secretary in the Penn State McKeesport Campus Office of Student Programs and Services, has retired after 31 years service.

She vows to take up some of the hobbies she has had to set aside over the years. "I managed to hold on to my needlework and my trademark 'Born to shop', because I'm addicted to shopping malls," she said.

Upon retirement, Ms. Welcker contemplates catching up on neglected housework, looking after two dogs, squeezing in some traveling and maybe seeking part-time employment.

"My experience with Penn State McKeesport has been a very happy and memorable one," she said. "Many of the friendships I have made here will continue. Working and helping students in Student Services has been most fulfilling.

"Over the years I've watched the campus grow from two buildings into a fine educational community. It has been a privilege to be associated with the University."

Pierena Stevens, known as Rena, has retired after 21 years as a secretary at the Penn State McKeesport Campus.

She began as a secretary in the Continuing Education office in 1970 and moved to the Academic Affairs Office in 1975. Since then, she has served as secretary to several directors of academic affairs.

One of Rena's fondest personal mementos kept on her desk is a picture of Joe Paterno with her taken several years ago at a University Park event. "I will always treasure that picture. Joe Paterno is just super," she said.

She plans to spend more time traveling and visiting her four children who live in scattered cities from Chicago to Florida. "Maybe I'll have a chance to indulge in non-fiction reading, golf, and just mellow out," she said.

Research associate leaves University

Thomas J. Pelick, research associate in the Systems Analysis and Simulation Department of the Applied Research Laboratory, has retired after 33 years service.

Mr. Pelick joined the Laboratory in 1958 as its first engineering aide, having earned an associate degree in electrical technology at Penn State. He participated in hydrodynamics and hydroacoustics research in ARL's water tunnel facilities. In 1961 he completed his bachelor's degree in electrical engineering and was promoted to research assistant. In 1978 he was promoted to research associate.

Mr. Pelick received awards for his project work, has received numerous certificates and letters of appreciation for his research activities. He actively supported the Graduate Program in Acoustics, participated in ARL's Awards and Peer Review committees, and instituted a peer program to honor retiring Laboratory employees.

He has been deeply involved in public service and local government for over 25 years. As an elected official, he was primary author of the Home Rule Charter, Ferguson Township's current governing instrument. He has been a member and often chairman of numerous planning commissions, review boards, and civic groups.

Mr. Pelick will reside locally and assist his wife, Dorothy, in her firm, Pelick Financial Services, and continue to serve ARL in a consulting capacity. Having been reappointed to the Ferguson Township Review Board, he will remain active in community affairs while pursuing his diverse interests.

Thomas J. Pelick

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, February 13. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02183, Curator/Collections Specialist, University Art Services, Palmer Museum of Art, University Park Campus** —Responsible to the director, Palmer Museum of Art, for the care, maintenance, research, and display of the permanent collection. Be knowledgeable about the European and non-Western works of art in the Museum's permanent collection, maintain contact with private collectors and encourage their association with the museum. Assist with the University's Museum Studies program. Requires master of arts in art history, plus two to three years museum experience. Organizational and writing skills essential. NOTE: Position available July 1, 1992. STAFF GRADE 7

■ **02184, Museum Curator of Education, University Arts Services, Palmer Museum of Art, University Park Campus** — Responsible to the director, Palmer Museum of Art, for the development and implementation of Museum educational programs to complement the Museum's exhibitions and collections. Promote programs; arrange for press coverage and advertising of educational events; work with faculty to develop materials related to exhibitions for use in the classroom. Recruit, train, and supervise the Museum's volunteer docents. Requires master of art in education or art history, plus one to two years of effective museum education experience. Organizational and public speaking skills essential. NOTE: Position available July 1, 1992. STAFF GRADE 6.

■ **02185, Museum Store Manager, University Arts Services, Palmer Museum of Art, University Park Campus** — Responsible to the director, Palmer Museum of Art, for the management, operation, and development of the Palmer Museum of Art Store. Responsible for the purchase, finances, retail policy, marketing, and promotions related to the store. Maintain inventories and records, prepare and process financial documents. Develop significant stock of art books and catalogues for sale. Hire, train, supervise, and schedule part-time employees. Requires associate degree, bachelor's degree preferred, in business, retailing or related field, plus two to three years of experience in retail management. NOTE: Position available July 1, 1992. STAFF GRADE 5.

■ **02186, Assistant Director, Palmer Museum of Art, University Arts Services, Palmer Museum of Art, University Park Campus** — Responsible to the director, Palmer Museum of Art, for assisting in the administration, development, operation, and programming of the Palmer Museum of Art. Together with the director and curators, arrange for exhibitions from the permanent collection and elsewhere. Responsible for keeping current the calendar of exhibitions in all exhibition spaces; prepare estimated budgets for exhibitions; oversee the installation of all exhibitions. Requires master of art in art history, Ph.D. preferred, plus three to four years of experience as museum administrator or curator. Organizational and writing skills essential. NOTE: Position available July 1, 1992. STAFF GRADE 8

■ **02187, Administrative Aide, President's Office, Board of Trustees, University Park Campus** — Responsible to the staff associate for the performance of a variety of administrative duties required in the implementation and follow through of normal operations of the Office of the Board of Trustees. Requires associate degree, or equivalent, plus one to two years of effective administrative and/or supervisory experience, as well as a knowledge of University policy and procedure preferred. STAFF GRADE 5

■ **02189, Applications Programmer/Analyst, Computer and Information Systems, Management Services, University Park Campus** — Responsible to the designated project leader for conducting analyses of data processing and customer concerns, determining detailed system problems, and preparing computer programs to satisfy desired end results. Assists in providing direction and control within specifications of project schedules. Requires bachelor's degree, or equivalent, in basic computer systems plus one to two years of effective experience in computer programming and analysis. This is a fixed-term position funded for 6 months beyond date of hire, with probability of re-funding through June 30, 1994. STAFF GRADE 6.

■ **02190, Senior Application Programmer/Analyst, Computer and Information Systems, Management Services, University Park Campus** — Provide analytical, design, and programming support for computer systems in both development and modification environment. Meet with users independently, or with others, to survey problems and define needs. Work independently or in conjunction with senior staff in detail systems analysis to develop specifications. Code program or direct others in coding activities. Requires bachelor's degree, or equivalent, in basic computer systems, plus two to three years of effective systems analysis and programming are required. This is a fixed-term position funded for six months beyond date of hire, with probability of re-funding through June 30, 1994. STAFF GRADE 7.

■ **02191, Classification Analyst, Office of Human Resources, Salary Administration and Classification, University Park Campus** — Responsible for assisting in the implementation and maintenance of the University's wage and salary classification plans. Duties include: reviewing and evaluating new and existing positions; developing job descriptions, classifying positions under the provisions of the Fair Labor Standards Act; conducting research and compiling data on special reports, projects, and salary surveys. Requires bachelor's degree, or equivalent, preferably with some course work in personnel administration or industrial engineering, plus one to two years of effective experience, preferably in job evaluation and classification activity. STAFF GRADE 6.

■ **02192, Human Resources Development Specialist, Office of Human Resources, Human Resources Department, University Park Campus** — Responsible to the manager, Human Resource Development, to assist in planning, developing, organizing, administering, and delivering Human Resource Development Center services throughout the University. Position entails course content development, on-site training and consultation, knowledge of adult learning principles. Also responsible for the application of planning, analytical and organizational skills as they apply to the operation of the University's HRD Center. Requires bachelor's degree plus two to three years of effective experience in course development, training, and adult learning. STAFF GRADE 7.

■ **02193, Administrative Aide, College of Engineering, Mechanical Engineering, University Park Campus** — Responsible to the director of the Propulsion Engineering Research Center for general business functions of the center, including overseeing of fiscal and contractual commitments inside/outside the University. Recommend and implement center procedures. Maintain liaison with university offices and external agencies associated with center. Establish subbudgets for sponsored programs. Requires associate degree, or equivalent, in business administration or related field and one to two years of effective experience involving proposal preparation, budget control, and office supervision. Personal computer experience desirable. This is a fixed-term 12-month position with probability of re-funding. STAFF GRADE 5.

■ **02194, Assistant to the Financial Officer II, Penn State Harrisburg, Financial Office** — Responsible to the financial officer for assisting in the financial management of student accounts and for the transactions and enforcement of financial and budgetary policies and procedures on the campus. Requires bachelor's degree, or equivalent, in accounting or related business field and one to two years of effective experience in accounting and budget work with strong computer and communication skills. STAFF GRADE 6.

■ **02195, Assistant to the Financial Officer II, Ogontz, Finance Office** — Responsible to the financial officer for assisting in the financial management of student accounts and for the transaction and enforcement of financial and budget policies and procedures on the campus. Requires bachelor's degree, or equivalent, in accounting or related business field plus one to two years of effective experience in accounting and budget work with strong computer and communication skills. STAFF GRADE 6.

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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February 13, 1992 Volume 21, Number 21

Vanderbilt chancellor to speak

Joe B. Wyatt, chancellor of Vanderbilt University, will deliver the keynote address at an awards ceremony Tuesday, Feb. 18, to recognize the 1991 EDUCOM Higher Education Software award winners and the Joe Wyatt Challenge Success Story implementors from Penn State.

The awards ceremony, which will be hosted by President Thomas, will be held at 9:30 a.m. in the Keller Conference Center Auditorium at University Park. It is open to the public.

Dr. Wyatt's address will focus on how information technology can be used to enhance and transform undergraduate education.

See 'EDUCOM' on Page 3

Joe B. Wyatt

President's statement

Governor Casey's budget message comes at the end of a series of discouraging economic messages to the higher education community in Pennsylvania.

The Governor has proposed an appropriation for 1992-93 that incorporates a 3.5 percent cut for the current year.

This follows a $12.5 million temporary cut last year and a $9 million cut this year. All this is occurring at the same time that health care and other operating costs continue to rise and students appropriately are raising strong concerns about the cost of tuition.

Cuts of the magnitude proposed in the Governor's budget dictate that Penn State will be able to do fewer things for the Commonwealth. It is my hope that our governmental leaders in the General Assembly and the Governor's Office will continue to be aware that Pennsylvania's research universities are the major hope we have in addressing the economic difficulties before us, both in terms of immediate economic recovery and in building a sound economy for the long term.

Joab Thomas,
President

Research questions raised

Thomas explains indirect cost issue to board

Editor's note: President Thomas sent the following message to the University Board of Trustees this week.

As you all know, the issue of the propriety of university charges to the Federal Government for indirect overhead costs on federally sponsored research contracts has gained national attention in recent months. Then, on January 29, 1992, an official of the federal Defense Contract Audit Agency (DCAA) mentioned Penn State in his testimony before the Dingell Committee of the House of Representatives. The official stated that, in his opinion, Penn State owes the Federal Government 6.4 million dollars for alleged overcharges of overhead on federal research contracts, based on audits for fiscal years 1985-86 and 1989-90. The testimony of five government officials also suggested that this issue afflicts all major research universities and stems from three principal sources:
(1) weaknesses in the current rules and regulations of the government; (2) supposed inadequacies in the internal control systems of the universities; and (3) supposed lax oversight by the cognizant government agencies.
At my request, Penn State has been conducting an intensive review of the audits. I want to report to you what we know so far and where we are headed.

We are unable to determine from an examination of the audits and other information available to us, how the number of 6.4 million dollars was calculated. The audit reports do not make this claim. No responsible federal official has made this claim directly to Penn State. The official who testified stated only that it was his opinion that this amount was owed. We are in contact with federal officials and are diligently seeking to determine the basis for the statement.

It appears that the 6.4 million dollar figure assumes that the audit process will conclude that all of the government's claims are correct and all of the University's responses are wrong. We do not believe that this assumption is correct, especially because it is contrary to our past experience. The determination of the amount of overhead charged to the Federal Government involves a complex process of regulation, accounting, auditing, estimating, negotiating and, ultimately, agreement between Penn State and the government years after the billings have been made and paid for. Understandably, public attention given to the Congressional hearings has clouded somewhat this complex yet orderly process. Penn State has not had the opportunity to respond fully to the audits or to complete the process leading to the resolution of questions posed. The formal process will continue and, at some time in the future, the amount Penn State owes, if any, will be determined.

During this process any unallowable costs determined by the auditors or us will result in an appropriate proportional repayment to the Federal Government. Examples of unallowable costs are advertising, public relations, alumni activities, and commencement exercises. In addition to unallowable costs, the auditors are now questioning Board of Trustees meals, lodging and travel, and maintenance and depreciation of the President's Residence, which were appropriate at the time, but are no longer permitted. Certainly Penn State will make repayment for any determined unallowable costs.

It is apparent from the national scope of this problem that the Federal Government is now taking a much more restrictive view of overhead reimbursement. New, more stringent, regulations were adopted in October, 1991 and it appears likely that more are forthcoming. Moreover, the government is seeking to apply the more stringent requirements on a retroactive basis to periods of time when the rules and the agreements between the Federal Government and the universities were substantially different. For example, their audits question costs for equipment depreciation despite the fact that the Federal Government agreed in writing to that methodology. I cite this example not to make a value judgment on the appropriateness or inappropriateness of more stringent regulations. My point is that we are now being challenged in part regarding charges that were appropriate at the time they were made.

Because there are several open years for which the audits are not complete, we assume that further attention may be drawn to Penn State. The Congressional hearings are continuing and it is our intent to deal with them in a deliberate, cooperative manner. Indeed, you can be sure that Penn State will cooperate fully with all federal agencies which have responsibility in this matter.

Because this is such a serious matter, I wanted to report this to you in some detail. Obviously, the research relationship between the Federal Government and Penn State is important to the University and our country. I will keep you fully informed as we work this through.

Focus on Diversity

American Indian Leadership Program offers fellowships

The College of Education is offering advanced degree fellowships for Native American Indian students participating in the American Indian Leadership Program.

Graduate degrees are in educational administration, educational theory and policy, curriculum and instruction, adult education, school psychology, special education, counselor education, counseling psychology, educational psychology, secondary education, elementary education mathematics education and higher education.

The American Indian Leadership Program, which is celebrating 21 years of operation, has a distinguished record of service to Native American Indians nationwide. As of summer 1990, 32 participants have earned doctoral degrees and 113 have earned master's degrees. It has been successful in placing both men and women in important leadership positions.

Ninety-five percent of the program's graduates have returned to contribute to Native American Indian education as college presidents, professors, administrators and teachers.

The American Indian Leadership Program has a graduate rate of 84 percent, compared to the national average of a 50 percent completion rate for Indian students in graduate school.

The training of qualified leaders for service to Indian nations is the central aim of the AILP program. The objectives are consistent with the goals of the Indian Education Act and the needs of Native American Indian communities nationwide. The strength of the program is confirmed by the many varied roles that past participants play in the quest for improvement of educational opportunities for American Indian school children.

Penn State financial awards are made by the Minority Scholars Program, the Graduate School, and the degree granting colleges and departments in the form of fellowships and graduate assistantships. Special federal financial aid programs such as Title V (Indian Education Act), Title VII (Bilingual Education), and Indian Health Service fellowships also are available.

Awards provide a monthly stipend plus a grant-in-aid for tuition remission. Specific requirements and amounts of awards vary by department and by sponsor. Financial support external to the University includes American Indian Graduate Center fellowships, foundation programs and state and tribal programs, and Title V Indian Education Act individually awarded fellowships.

The deadline for submitting applications for Fall Semester 1992 is April 30 and for Spring Semester 1993 is Nov. 30. For more information, write to American Indian Leadership Program, 320 Rackley Building, University Park, PA 16802, or call the program office at (814) 865-1489.

As of 1990, the American Indian Leadership Program has awarded 32 doctoral degrees and 113 master's degrees

Diversity Opportunities Calendar

Through Feb. 29
Penn State Bookstore, 8 a.m. to 5 p.m. weekdays, Bookstore Building. Black History Month display featuring books by African/Black American authors, books on African/Black American history, art, social issues, philosophy, photography, children's books and more.

Through Feb. 29
University Libraries, daily, Pattee Library African American Studies Room. Black History Month display titled, "African Roots Explore New Worlds: Pre-Columbus to the Space Age."

Saturday, Feb. 15
Center for Minority Faculty Development, 9:30 a.m. to 12:30 p.m., 114 Kern Graduate Building. Presentation titled, "The Publishing Process Roundtable," by Emilia Martinez-Brawley, professor of social work. For more information, contact Leah Witzig at 863-1663.

Sunday, Feb. 16
Office of Student Activities and Religious Affairs, 6 p.m., Faith United Church of Christ, College Avenue and Locust Lane. Black History Month program titled, "Worship in the Black Church Tradition," will feature vocal performance by "Expressions of Joy" and sermon by Rev. Kenneth I. Clarke Sr.

WPSX-TV, 7 p.m., Channel 3. Program titled, "Achievers," profiles 15 successful Black/African Americans who lived in rural Pennsylvania.

Monday, Feb. 17
Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 8 p.m., Pollock Commons. Ebony and Ivory program titled, "Starpower," by W. Terrell Jones, deputy vice provost.

Tuesday, Feb. 18
Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 8 p.m., 101 Osmond Building. Ebony and Ivory lecture by Chicago newspaper columnist Clarence Page.

Wednesday, Feb. 19
Center for Women Students, noon to 1 p.m., 120 Boucke. Brown bag lunch series discussion titled, "Women and the Glass Ceiling," by Ellen Houser, Career Development and Placement Services Office information specialist and Rachel Ford, Ph.D. candidate in counseling psychology.

Office of Student Activities and Religious Affairs, 7 p.m., Paul Robeson Cultural Center. Second Annual Malcolm X Lecture and Symposium. Discussions will include, "Malcolm X the Movie: Amiri Baraka vs. Spike Lee;" "The Rhetorical Power of Malcolm X," by Deborah Atwater; "The Spirituality of Malcolm X," by Thomas Poole, and "The Attractiveness of Malcolm X for Current Studies," by Malcolm Thomas.

Thursday, Feb. 20
Office of Student Activities and Religious Affairs, 7 p.m., Paul Robeson Cultural Center. Lecture titled, "Malcolm X: A Legacy in the Radical Tradition on Black Political Thought," by James Turner, of the Cornell University Africana Studies & Research Center.

Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 6-8 p.m., HUB Gallery. Ebony and Ivory Week program titled, "Women's Issues," by LaVerne Gyant, interim director of Black Studies.

Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 8 p.m., Waring Commons Study Lounge. Ebony and Ivory program titled, "Racism as a Majority Problem," by John Barnes.

Saturday, Feb. 22
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Development" is the fourth in a series of faculty development workshops. Ms. Baiba Briedis, College of the Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Leah Witzig at 863-1663.

WPSX-TV

Shows to focus on Black History Month

Member of France's Prestigious Legion of Honor, holder of the coveted Medal of the Resistance, and performer of the famed "banana dance," Josephine Baker was one of the world's most flamboyant, exotic, and courageous celebrities.

Changing a Rainbow: The Life of Josephine chronicles the story of an illegitimate semi-literate Black girl from the slums of St. Louis who triumphed over a life of poverty to become "La Bakaire," the sensation of Paris. Airing at 1:30 p.m. Saturday, Feb. 15, on WPSX-TV, the program is part of public television's Black History Month.

Evening at Pops' "Songs of Freedom," airing at 8:30 p.m. Wednesday, Feb. 19, presents a special performance by John Williams and the Boston Pops Orchestra featuring the music of the Civil War and the Civil Rights Movement. Guests include actor Roscoe Lee Browne, folk singer Odetta, soprano Shirley Verrett and the Boys Choir of Harlem.

DiEugenio named director of governmental relations

Richard D. DiEugenio has assumed the duties of director of governmental relations, effective Feb. 1.

In his new role, he will focus on issues of importance to the University in Harrisburg. For the past six years, he has worked with federal legislators as Penn State's representative in Washington, D.C.

In announcing the reassignment, David R. Schuckers, special assistant to the president for governmental affairs, said, "Rich has a solid background in legislative affairs and understands the importance of keeping state and local officials informed about Penn State's missions and priorities."

Before joining Penn State in 1986, Dr. DiEugenio served as senior legislative associate for the U.S. House of Representatives Committee on Education and Labor. He also served as the Pennsylvania Department of Education's Washington representative under the former State Secretary of Education, John Pittinger.

A native of Downingtown, he received a bachelor of arts degree in political science from Ursinus College, a master's degree in education from Temple University and a doctorate with honors in political science from Georgetown University. He has completed additional graduate work at the University of Michigan, Rhode Island College and the University of Iowa.

His University assignments include membership on the University Faculty Senate's Committee on External Relations. He currently serves as an elected member of the State College Area Board of School Directors.

An internal search for the vacated position of director of legislative affairs will begin immediately, Mr. Schuckers said. This replacement will join Tom Etten as Penn State's representatives in Washington, D.C.

Richard D. DiEugenio

EDUCOM

Continued from Page 1.

The Joe Wyatt Challenge is a 1991 EDUCOM's Educational Uses of Information Technology (EUIT) project that identified 101 success stories where information technologies had made a difference in undergraduate education.

Gary Augustson, executive director of the Office of Computer and Information Systems, says that "the goal of the Challenge was to demonstrate that investments in information technology make an important and worthwhile difference in the quality of undergraduate programs."

University recipients of two of the eleven 1991 EDUCOM Higher Education Software awards were Melbourne J. De Young of the Department of English, and Marilynne W. Stout, Lorinda L. Brader and Evette E. Bazemore of CBEL for an interactive multimedia learning environment of Martin Luther King Jr.'s "Letter from Birmingham Jail"; and Donna M. Rogers, Department of Spanish, and Lawrence C. Ragan, and Lorinda L. Brader of CBEL for curriculum innovation in a linguistics course that included the development of a HyperCard stack on the evolution of Spanish sounds.

EDUCOM is a consortium of 630 colleges and universities and 110 corporations. The awards program was established in 1987 to improve the quality of educational software and to promote the effective use of computer technology in higher education.

The implementors of the Joe Wyatt Challenge Success Stories who will be recognized are Timothy P. Johnson, Department of Landscape Architecture; Robert L. Kabel, Department of Chemical Engineering; John T. Harwood, Department of English; Terry P. Harrison, Department of Management Science, and Gerald M. Santoro and Gerald M. Phillips, Department of Speech.

News in Brief

Adult education seminar
Charlene H. Harrison, director, Off-Campus Programs, will speak on "Adult Learners at Penn State" at the Adult Education Professional Seminar Series at noon Thursday, Feb. 20, in the Charlotte Building, 403 S. Allen St., State College.

She will discuss the institutional texture and university responses to the needs of adult learners. In addition, she will examine future trends and directions of adult learners in higher education.

Power processing lab
The College of Engineering P/M Lab, dedicated to powder processing research, is hosting an open house, with continuous demonstrations and tours, between 2 and 5 p.m. Thursday, Feb. 27.

Rand M. German, holder of the Brush Chair in Materials, is the P/M Lab director. He said the new laboratory is capable of all logical operations associated with powder processing.

The lab, which is boused in the new Research West Building, located next to the White Golf Course, is affiliated with the Department of Engineering Science and Mechanics.

For more information, call Diane Knight, senior research assistant, at 863-8207.

Educational Office Personnel
The Penn State Chapter of Educational Office Personnel will hold a special topic meeting at 12:10 p.m. Thursday, Feb. 20, in Room 256 Hammond Building at University Park.

John Wolanski, Variable Annuity Life Insurance Company (VALIC) representative, will conduct a question-and-answer session to address specific concerns.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, staff non-exempt, clerical and technical service. One does not have to be a member to attend special topic meetings.

India health program appeal
Parivartan, an organization of students, faculty, staff and community members, has launched an appeal to assist a rural health program in India.

Purpose of Parivartan, which was organized in December, 1990, is to help needy people of India by supporting projects for social and economic development.

The group is seeking support for a medical center in Dharwad in the State of Karnatak. Dharwad, which is the hometown of Laxman Mulay, professor emeritus of solid state science, and his wife, Indu Mulay, lacks essential services such as an ambulance and a blood bank. At the request of the Mulays, Parivartan has begun a drive to support establishment of a blood bank.

For more information on the project, contact Laxman Mulay or Indu Mulay at (814) 237-4622.

Site wanted for radon research
As is now well known, radon enters houses largely from the soil. In order to investigate this process further, Arthur W. Rose, professor of geochemistry, is looking for a potential home owner with a building site near University Park on which measurements of radon and other soil properties could be made for about a year, followed by construction of a home on the lot by the owner and additional measurements after construction.

If you have such a lot and plans, Dr. Rose (865-7261) would appreciate discussing the project with you.

Coaly's Cafe
The Founder's Room Dining Room in the Hetzel Union Building at University Park has reopened to students, faculty, staff and the public as Coaly's Cafe, honoring Penn State's first mascot, a mule that helped build the first Old Main in 1857.

Faculty, staff and students may use their Diner's Club points and students also may use their A La Board points. Coaly's Cafe is located on the terrace at the east end of the HUB, between the bookstore and the HUB Eateries.

Basic movement skills
The College of Health and Human Development will offer a free program in basic movement skills and games for children ages 5 through 8, beginning March 3.

The program will be held in Room 126 White Building from 3:45 p.m. to 4:30 p.m. Tuesdays, through April 14. Registration is scheduled for 3:45 p.m. on March 3 in Room 126 White Building.

Highlight on Undergraduate Education

Undergraduate science education in the spotlight

Lecture by professor of physics scheduled for Feb. 19

Lillian C. McDermott

Lillian C. McDermott, professor of physics and director of the Physics Education Group at the University of Washington, will be the second lecturer in the New American Scientist Initiative Science Education Lecture Series, a series that explores innovative approaches to undergraduate science education and science learning.

Dr. McDermott's lecture schedule on Wednesday, Feb. 19, includes: "What We Teach and What Is Learned: Closing the Gap," 1:15 p.m. in S-5 Osmond Laboratory, and "Research As a Guide to Curriculum Development: Improving Introductory Courses in the Physical Sciences," 3:35 p.m. in S-5 Osmond. Both lectures, which are sponsored by the Eberly College of Science and the Department of Physics, are free to the public.

As director of the Physics Education Group, Dr. McDermott oversees an extensive research program involving the learning and teaching of physics, curriculum development and instruction. Throughout the years, the group has conducted a physics program for the preparation of prospective and practicing teachers at the elementary, middle and high school levels.

In recognition of her work with the Physics Education Group, the Seattle Urban League presented her with its Affirmative Action Award in 1983. She also has been honored with the American Association of Physics Teachers 1981 Distinguished Service Citation and, in recognition of her contributions to physics education research, with the association's 1990 Robert A. Millikan Lecture Award.

A Fellow of the American Physical Society and the American Association for the Advancement of Science, Dr. McDermott also is an APS councillor and a member of its executive board. She earned her undergraduate degree at Vassar College and received her doctoral degree in experimental nuclear physics at Columbia University in 1959.

The New American Scientist Initiative represents a commitment by the faculty within the Eberly College of Science to bring about fundamental change in the undergraduate educational experience. The faculty is conducting an in-depth examination of the undergraduate curricula in order to create more compelling course designs and teaching methods.

New program for international study of culture and business to look at French-speaking Europe

University students intrigued by the international business arena will soon be able to take advantage of a new program that combines hands-on management experience in Europe with intensive classroom work.

The Association of American Colleges and the American Assembly of Collegiate Schools of Business have awarded two University faculty members $20,000 to develop a new program of international study for undergraduate students. Funding was provided by the KPMG Peat Marwick Foundation.

The program is designed to provide students with a working knowledge of French and insight into the culture and business practices of French-speaking Europe, according to program co-directors **George Heitmann**, professor of management science and director of international programs in The Smeal College of Business Administration, and **Vicki L. Golich**, assistant professor of political science in the College of the Liberal Arts.

Susan Welch, dean of the College of the Liberal Arts, said, "this program is an excellent example of how intercollege cooperation is helping us better prepare students for a world where understanding other cultures is a necessity, not a luxury."

"Programs such as this are vital to students intending to pursue a career in management," **J.D. Hammond**, dean of The Smeal College, said. "It will provide them with a very real understanding of how business is practiced in today's global economy."

To gain admission to the program, students must have established an outstanding academic record during their first two years at Penn State. They first will study business French in an intensive summer course, then take interdisciplinary courses focusing on the language, culture, politics, and business practices of French-speaking Europe. Following that, students will study abroad either in France or The Netherlands and cap off their experience with an internship in a business in France or in a Pennsylvania-based corporation with linkages to France.

The program will involve one year plus a summer of work and study. First admissions are expected for the summer of 1992.

The Penn State pilot program was one of two selected from 150 applicants to receive top-level funding through the AAC and AACSB. Overall, the KPMG Peat Marwick Foundation provided $200,000 for 18 projects and $310,000 for the international education efforts of the AAC and AACSB.

Faculty/Staff Alerts

Crime awareness

Campus safety/security policies and crime statistics were published in campus/student newspapers or distributed on each campus the second Wednesday in February. Copies of the policies and crime statistics are available at any time from University Police Services or the Director of Business Services.

Courses for faculty and staff

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

■ **How to Break/Lightly Tap the Glass Ceiling** Explore the political realities of organizational cultures. Understand those barriers and supports to your career advancement and learn from one another. Meets 9 a.m. to 4 p.m. Wednesday, Feb. 19; cost: none.

■ **Intergroup Relations I** The program goal is the development of a personal commitment to understand and reevaluate individual interpersonal relation skills in dealing with culturally diverse individuals. Meets 9 a.m. to 4 p.m. Monday, Feb. 24; cost: none.

■ **Overcoming Procrastination** Just about everyone has certain tasks they put off. Workshop will discuss the circumstances of these "chronic postponements" and talk about strategies for action. Don't procrastinate, sign-up now! Meets from 1:30 to 4:30 p.m. Thursday, Feb. 27; cost: $35.

■ **Coping with Loss in the Workplace** All of us experience loss either personally or professionally. This workshop will help you define and understand loss, your own reactions to loss and strategies for coping with loss. Individuals in supervisory and managerial roles also will find this session useful in assisting them with employees and co-workers who experience loss. Meets 9 a.m. to 4 p.m. Wednesday, March 4; cost: $35.

■ **Sexual Harassment** Learn to identify the differences between friendly behavior and subtle sexual harassment in the workplace. Meets 1:15 to 4:30 p.m. Thursday, March 5; cost: none.

■ **Working for More Than One Boss** Learn the best ways for managers and secretaries to work as a team. Learn six rules of time management. Learn the techniques to use to become more courteously and effectively assertive. Meets from 8:30 a.m. to noon Wednesday, March 11; cost: $35.

■ **Customer Service** You'll join service experts **Ken Blanchard, Gary Heil,** and **Richard Tate** before a studio audience on an enlightening behind-the-scenes journey into private and public-sector companies that are striving to provide legendary service internally and externally. This class meets for 3 half-day sessions on March 17, 20 and 24, from 8:30 a.m. to noon; cost: $75.

■ **Proofamatics** The program is designed to reduce errors in proofreading by teaching participants how to proofread through a series of scans rather than reading word for word. Meets for four sessions on Tuesdays and Fridays, March 17-March 27, from 1:30 to 3:30 p.m.; cost: $125.

Major medical claims

March 31 is the last date on which Prudential will accept charges for a 1991 major medical claim for University faculty and staff members or their dependents. A major medical claim is established when a faculty or staff member reports eligible charges to Prudential which exceed the deductible.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance services, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to Prudential with a claim form. In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be completed fully. Canceled checks and cash register receipts are not acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 205 Rider Building; the Business Offices at locations other than University Park, and the Human Resources Office at the Hershey Medical Center.

Faculty Senate News

The University Faculty Senate will meet on Feb. 18, at 1:30 p.m. in Room 112 Kern Graduate Building.

Items to be discussed:
During the "Comments by the President" there will be a presentation by President Thomas, Provost Brighton and Dean Shannon dealing with the administrative aspects of our association with the Committee on Institutional Cooperation (CIC).

I Amendment to **Standing Rules**, Article II, Sections 6(b) and (c) — Removing the vice president/vice provost from membership on the Committee on Academic and Physical Planning and the Committee on Admissions, Records, Scheduling and Student Aid

- Retention and Transfer Legislation
- Editorial Changes in Administrative Guidelines for PS-23
- Change in Administrative Guidelines for PS-23
- Recommendations to the President from the Libraries Committee
- Costing Estimate for the Libraries Advisory and Consultative Report
- Proposed Changes in Senate Rules 42-50 Credit by Examination/Proficiency Examination, 42-80 Credit by Transfer from Other Institutions, 42-90 Other Means of Credit Acquisition and the creations of regulations allowing for Educational Credit for Training Programs in Noncollegiate Organizations
- Costing Estimate for the Undergraduate Instruction Legislative Report—Proposed Changes in Senate Rules 42-50 Credit by Examination/Proficiency Examination, 42-80 Credit by Transfer from Other Institutions, 42-90 Other Means of Credit Acquisition and the creation of regulations allowing for Educational Credit for Training Programs in Noncollegiate Organizations

Items discussed at the Jan. 21 Senate meeting:

- Status of University construction projects
- Amendment to the Standing Rules, Article II, Section 6(i), Requiring Representation from the College of Medicine, Penn State Erie, Penn State Harrisburg and the University Libraries on the Senate Committee on Faculty Affairs
- Amendment to Standing Rules, Article II, Section 6(g), Elimination of the Requirement for Representation of the College of Medicine on the Curricular Affairs Committee
- English 202
- Grade Distribution Report
- Faculty Census Report - 1992-93
- Three Cells vs. Four Cells in Promotion and Tenure Documents

Applicants sought for Great Valley post

Applications and nominations are invited for the position of director of academic affairs at the Great Valley Center. The director is responsible to the campus executive officer for providing leadership on all academic matters, including the campus faculty.

In addition to its classrooms and labs, Penn State Great Valley, located in the Great Valley Corporate Center in Malvern, houses the Penn State Technology Development Center, a business incubator serving over 40 start-up technology companies.

Qualifications include an earned doctorate, or equivalent, and a minimum of five years experience involving a combination of full-time teaching, leadership of faculty, research and scholarly pursuit.

Candidates should possess strong interpersonal and communication skills and the academic qualifications of a tenured, senior ranked faculty member at Penn state. Experience in academic planning, faculty recruitment and development, graduate program development, faculty governance, grantsmanship, and budgeting is desired.

Application deadline is March 16, 1992, or until an appointment is made. Send nominations and/or application (including resume), with the names of three references to: Lawrence S. Cote, campus executive officer, Penn State Great Valley, 30 East Swedesford Road, Malvern, PA 19355.

Focus on the arts

Odyssey on WPSU

On "The Widow's Dilemma," the next episode of Odyssey Through Literature, host Leonard Rubinstein and Donna Rogers, assistant professor of Spanish, discuss one widow's quest for a new husband.

"Presumably having been married and having experienced the full pleasures of married life," Dr. Rogers explains of the widow in the 15th-century Catalonian novel, Curial e Guelpha, "she felt some pressure to find somebody else who would make her happy.

"Curiously, her quest for a husband is in some ways against her best interests. As a widow in the Middle Ages, she was as independent as a woman could be. Her quest, therefore, is destined to remove from her the only thing that gives her all of her power in the first place."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Valentine's Day sale

The HUB Center for Arts and Crafts is sponsoring a Valentine's Day sale of original, handmade, "heart felt" objects. The sale will be from 11 a.m. to 3 p.m. Thursday and Friday, Feb. 13 and 14, in the corner of the Hetzel Union Building Main Lounge behind the fishbowl. Come by and find something special with which to surprise your sweetheart.

The arts on Channel 3

The predominately Black Philadelphia Dance Company performs classical, jazz and modern dance in Philadelphia's Zellbach Theatre on *Philadanco*, an arts special airing at 10 p.m. Sunday, Feb. 16, on WPSX-TV, Channel 3.

This year's Championship Ballroom Dancing, airing at 9:30 p.m. Wednesday, Feb. 19, again showcases the dramatic finals of the international modern and Latin competitions and features exhibition performances, including former Latin Champion Linda Dean and former Theatre Arts champion Rufus Dustin performing a tribute to the late Vernon Brock, one of ballroom dancing's most influential talents; and Bruno Collins and Luann Pullium in a dazzling display of cabaret-style dancing.

Public colloquium

Edward L. Mattil will present a public colloquium, "The Viktor Lowenfeld I Knew," from 6:30 to 9:30 p.m. Monday, Feb. 17, in 102 Chambers Building at University Park.

Called one of the most influential art educators in the 20th century, Mr. Lowenfeld was a member of School of Visual Arts faculty in the 1940s.

The colloquium, sponsored by the art education program of the School of Visual Arts, is free to the public.

Organ concert

Seven organ students from the studio of June Miller will perform in concert at 2 p.m. Sunday, Feb. 23, in the School of Music Recital Hall at University Park.

The program will include works by J.S. Bach, Brahms, Boellmann, Franck, Duruflé, Dupre and Schroeder. The concert is free to the public.

Lecture series

Lisa Salay Miller, doctoral candidate in art history, will present the lecture, "Carpeaux's America: Art and Sculptural Politics," at 8 p.m. Tuesday, Feb. 25, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Ms. Miller was an assistant at the Museum of American Folk Art in New York City and assistant director of development at the New York University School of Law. Her areas of concentration include 19th-century painting and sculpture and 20th-century architecture. She received her bachelor's degree in art history from Penn State and her master's degree in art history from Columbia University.

Bach's Lunch

Six students from Dan Armstrong's percussion studio, will perform in concert at 12:10 p.m. Thursday, Feb. 27, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

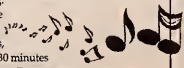
The program will include works by Hatch, Pitfield, Miki and Molenhof for marimba, xylophone and vibraphone.

Musical scheduled

The Tony Award-winning musical, "Barnum" will be performed at 3 and 8 p.m. Saturday, Feb. 29, in Eisenhower Auditorium at University Park.

The musical recounts the flamboyant career of Phineas Taylor Barnum, impressario and self-styled "Prince of Humbug." The events of Barnum's life, from his early collection of shady sideshow attractions to his partnership with circus man James A. Bailey, unfold in a succession of circus acts complete with singing, dancing, acrobatics and juggling.

Patrons should come early for pre-show antics featuring clowns, aerialists and jugglers 30 minutes before each performance. To reserve tickets, call the Eisenhower Auditorium Ticket Center.



Joint concert

The University Choir and the Dickinson College Choir from Carlisle will perform in concert at 8 p.m. Saturday, Feb. 29, in the School of Music Recital Hall at University Park.

Together, the two choirs will perform "Te Deum," by Haydn. June Miller, of the School of Music faculty, will accompany the choirs. The University Choir, directed by

See 'Arts' on Page 8.

25-year award recipients

Observing 25 years of service at the University are, from left, Robert A. Hullquist, professor of statistics, and Carl S. Keener, professor of biology, both in the Eberly College of Science; Eugene Flynn, facilities coordinator for CES systems; Shirley Snyder, senior assistant librarian, Penn State Shenango Campus; Samuel T. Zobec, instructor in engineering, Penn State McKeesport Campus.

University Park Calendar

February 13 - 23

Special Events

Thursday, February 13
Noontime concert, "Simple Gifts," Kern Lobby.
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Flute Ensemble.
School of Music, 8 p.m., Recital Hall. Mark L. Lusk, trombone.

Friday, February 14
Dance Marathon, White Bldg., through Feb. 16.
Shaver's Creek, 8-10 p.m., Couples Stargazing. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Marvin Hamlisch.

Saturday, February 15
Publishing Process Roundtable, 9:30 a.m.-12:30 p.m., 114 Kern. Emilia Martinez-Brawley, presenter. Register, 863-1663.
Shaver's Creek, 10 a.m.-3 p.m., Maple Sugar Volunteer Training. Call 863-2000.

Sunday, February 16
Shaver's Creek, 2-4 p.m., Bird Hospitality. Call 863-2000.
Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Freedom Train."
Carnegie Hall Film Series, 7 p.m., Smiles of a Summer Night (1955); 9 p.m., D.O.A. (1950), Carnegie Cinema. Free.
School of Music, 8 p.m., Recital Hall. Barry Kroeker, oboe.

Monday, February 17
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. John Malmstad, Harvard, on "Translating Andre' Bely's Petersburg."
■ Slavic Languages, lecture, 12:40-1:20 p.m., 101 Kern. John Malmstad, Harvard Univ., on "Translating Andrei Bely's Petersburg." Also, 4-5 p.m., 12 Sparks. John Malmstad, Harvard Univ., on "The Art of Mikhail Larionov and the Poetic Word."
Penn State Philharmonic Tour Concert, 8 p.m., Eisenhower Aud.
■ German, film, 8 p.m., 108 Wartik. Danton (1921). Free.

Tuesday, February 18
■ Fulbright Informal Lecture Series, 3:30-4:30 p.m., International Lounge, 222 Boucke. Ramesh Thakur, Otago Univ., New Zealand and Jock Phillips, chief historian, Wellington, New Zealand, on "Small Country/Big Country: the New Zealand-U.S. Relationship 1942 to 1992."

Wednesday, February 19
Noontime Concert, "Dynamic Duo," Kern Lobby.
■ Slavic Center Luncheon Seminar, noon, 13 Sparks. Svitlana Budzhak, Chernivtsi State Univ., Ukraine, on "Contemporary Politics in Ukraine."
Center for Women Students, Brown Bag Lunch Series, noon-1 p.m., 120 Boucke. Ellen Houser, Rachel Ford on "Women and the Class Ceiling."
Malcolm X Lecture/Symposium, 7 p.m., Paul Robeson Cultural Center. James F. Turner, Cornell Univ., on "Malcolm X: A Legacy in the Radical Tradition of Black Political Thought."
URTC, 8 p.m., Pavilion Theatre. "Buried Child" (student preview). Also Feb. 20.
School of Music, 8 p.m., Recital Hall. Penn State Percussion Ensemble.

Thursday, February 20
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Tuba-Euphonium Ensemble.
Penn State Chapter of Educational Office Personnel, meeting, 12:10-12:50 p.m., 256 Hammond, Stavely Room. John Wolanski, Variable Annuity Life Insurance Company (VALIC), will conduct a question-and-answer session.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Betty Carter.

Friday, February 21
Geo. Coffee Hour, 4 p.m., 319 Walker. Susan Evans on "Surviving a PBS Series (Time Travellers)." Refreshments, 3:30 p.m.
Shaver's Creek, 7-9 p.m., Family Owl Prowl. Call 863-2000.
School of Music, 7:30 p.m., Old Main. "Celebration of Love," Chamber Singers. Tickets, 863-2142.

Selected artwork by children living throughout Central, South and North America is highlighted in "Paintbrush Diplomacy: Children's Art From the Americas," an exhibit until March 1 at the Formal Art Gallery in the HUB.

Also Feb. 22.
URTC, 8 p.m., Pavilion Theatre. "Buried Child," through Feb. 29.

Saturday, February 22
Minority Faculty Development workshop, "External Funding and Proposal Development," 9 a.m.-noon, 114 Kern. Baiba Briedis, speaker. Reservations, Leah Witzig, 863-1663 by Feb. 19.
Shaver's Creek, 10 a.m.-3 p.m., Maple Sugar Volunteer Tapping. Call 863-2000.
School of Music, 2:30 p.m., Recital Hall. Michael Wang, double bass.

Sunday, February 23
Shaver's Creek, 2-3:30 p.m., The Magnificent Monarch. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., In A Lonely Place (1950); 8:45 p.m., Greed (1924); Carnegie Cinema. Free.

Conferences

Continuing Education
Keller Building
Feb. 20. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Feb. 21-22. Softball Developmental Clinic. Sue Rankin, chair; Kathy Karchner, coordinator.

Seminars

Thursday, February 13
Physics Colloquium, 3:30 p.m., 55 Osmond. Roy Schwitters, SSC, on "The Status of the SSC."
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Michael Marsiske on "Older Adults' Performance On Instrumental Activities of Daily Living (IDLs) and Mental Abilities."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Christos A. Polyzois, Princeton Univ., on "Remote Backup Algorithms for Transaction Processing Systems."

Friday, February 14
Forest Resources, 11:15 a.m., 3 Ferguson. Thomas Kolb on "Impacts of Pear Thrips on Sugar Maple."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Timothy Zwier, Purdue Univ., on "Multiphoton Ionization Studies of Solvent Effects in $C_6H_6\cdot(H_2O)_n$ and $C_6H_6\cdot(CH_3OH)_n$ Clusters."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. L.E. Casida on "Predator Bacteria As A Means For Controlling Plant Disease."
Geog. Coffee Hour, 4 p.m., 319 Walker. Bill Turner, Clark Univ., on "Induced Intensification." Refreshments, 3:30 p.m.

Monday, February 17
Ag Eng., 12:20-1 p.m., 239 Ag Eng. Philip Squire on "Influence of Wastewater Scheduling on Soil Oxygen Status."

Tuesday, February 18
Inorganic-Organic, 1:15 p.m., 55 Osmond. Michael D. Hopkins, Pittsburgh, on "Conjugated, Transition Metal Complexes and Polymers."
Graduate Program in Nutrition Colloquium, 4 p.m., 217 Willard. Judy Fish, M.S., R.D., Geisinger Medical Group, on "Advances in Enteral Feeding."
Geosciences Colloquium, 4 p.m., 112 Walker. Jim Kasting on "Long-Term Effects of Fossil Fuel Burning." Refreshments, 341 Deike.
CAMP, 4 p.m., 339 Davey. Jesper Anderson, Univ. of Lund, Sweden, on "High-Resolution Core Level Spectroscopy Studies of Surfaces and Interfaces."

Wednesday, February 19
Eng. Science & Mech., 3:35 p.m., 315 Hammond. David Cannon on "Point-and-Direct Robotic Manufacturing."

Thursday, February 20
Physics Colloquium, 3:30 p.m., 55 Osmond. David Nelson, Harvard, on "Flux Line Entanglement in Superconductors."
Geosciences Colloquium, 4 p.m., 26 Mineral Sciences. Charlie Meade. Refreshments, 341 Deike.
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Fredric D. Wolinski, Indiana Univ. School of Medicine, on "The Risk of Nursing Home Placement and Subsequent Death."

Friday, February 21
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Charles Meade, Geophysical Lab, Wash., D.C., on "Structural Transformations in Amorphous Silicates at High Pressure."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. A.J. Francis, Brookhaven National Lab., on "Microbial Transformation of Radionuclides and Toxic Metals in Wastes."

Exhibits

Chambers Gallery
"Undergraduate Paintings and Sculpture," through Feb. 28.

Hetzel Union Art Galleries:
Formal Gallery:
Paintbrush Diplomacy: Children's Art from the Americas, through March 1.
Art Alley Cases:
■ Penn State's International Students art and artifacts, Feb. 17-March 15.
Art Alley Panels:
"Imagery of Personality," Anne Trevino, photographs, Feb. 17-March 15.
Browsing Gallery:
A Voice of Peace and Reason, through Feb. 23.

Kern Galleries
"Mountains," Thomas Smyth Jr., through March 17.

Palmer Museum of Art
"The Art of American Livestock Breeding," through March 29.

Pattee Library
Main Lobby:
"Penn State's Presidential Families," through Feb. 29.
West Lobby:
■ "Saudi Arabia—Tradition House," Fawaz F. Abunayyan oil paintings exhibition, through Feb. 29.

Rare Books Room:
An exhibit of antebellum southern humor, through March 6.
Lending Services Gallery:
"Vision Caressing Emotion," Rose Lucas watercolor collage exhibition, through Feb. 29.

Paul Robeson Cultural Center
Paintings and collages, Darrell Johnson, through Feb. 24.

Zoller Gallery
"The Tactile Vessel—New Basket Forms," an exhibition of contemporary American baskets on loan from the Erie Art Museum, through Feb. 23.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ **Reflects an international perspective**

Promotions

Staff Exempt

Diane L. Andrews, to assistant director in Student Services.
Patricia A. Bauder, to chief technologist, Chemistry at Hershey.
Robert L. Bloom, to facility specialist in Office of Physical Plant.
Mark A. Bodenschatz, to mechanical/electrical engineer in Office of Physical Plant.
Waverly Coleman, to director of continuing education at Delaware Campus.
Rebecca J. Densmore, to assistant hospital director at Hershey.
Laura E. Frye, to coordinator, Human Resources and Administrative Services in College of Engineering.
Dennis Z. Garbrick, to foreman, trades in Office of Physical Plant.
Gina L. Gockley, to administrative assistant at Hershey.
Michael R. Kelleher, to foreman, trades in Office of Physical Plant.
Susan E. Leitzell, to contracts and proposal specialist in Research and Graduate School.
David J. Lieb, to director of development, central programs in Division of Development and University Relations.
Chris D. Lose, to assistant coordinator, Contracts and Grants Management in Research and Graduate School.
Daniel A. Macaluso, to director of development in Division of Development and University Relations.
Timi S. Narehood, to administrative assistant in College of Engineering.
Daniel T. O'Donnell, to coding/pricing specialist at Hershey.
Jill C. Ostrem, to assistant hospital director at Hershey.
James T. Rohacek, to assistant hospital director at Hershey.
Marie L. Zanotti, to associate hospital director at Hershey.

Staff Nonexempt

Betty L. Badger, to senior research technician at Hershey.
Ted M. Kantner, to research technician at Hershey.
Elizabeth M. Risser, to outpatient scheduling/billing coordinator at Hershey.
Karen L. Sheller, to MOH's technician at Hershey.

Clerical

Carol A. Anderson, to secretary B at Penn State Harrisburg.
Elizabeth J. Barto, to senior clerk, Career Resource Center in Student Services.
Linda L. Bryan, to secretary C at DuBois Campus.
Corintha J. McCall, to clerk A in Purchasing Services.
Gail D. Miller, to purchasing clerk in Purchasing Services.
Lori L. Mowery, to technical secretary B in Applied Research Lab.
Teresa L. Smith, to senior information/referral specialist at Hershey.
Rosalie G. Vallalla, to clerk, accounting A in Office of Business Services.
Emelia E. Wasilewski, to secretary B at Penn State Harrisburg.

Technical Service

Karen L. Baker, to patient care assistant A at Hershey.
James V. Beckley, to maintenance mechanic A at Hershey.
Kathleen E. Blouch, to patient care assistant A at Hershey
William A. Burns, to operations and distribution technician in Continuing Education.
Tammy J. Carolus, to dining hall worker A in Housing and Food Services.
Heather N. Endy, to patient care assistant A at Hershey.
Melvin J. Harbold, to group leader plumber, pipefitter at Hershey.
Neil R. Kleinfelter, to utilities equipment operator A at Hershey.
Mark Matusky, to maintenance mechanic A at DuBois.
Robert L. Nelson, to group leader, worker utility at Worthington Scranton Campus.
Dawn M. Reagan, to food preparer B in Housing and Food Services at Beaver Campus.
Beverly J. Reese, to food preparer A, Hetzel Union Building, Housing and Food Services.
Rickey L. Reigert, to patient care assistant A at Hershey.
James A. Smith, to maintenance worker, Utilities Piping in Office of Physical Plant.
Michael A. Smith, to machine operator utility worker in Office of Business Services.
Richard R. Snyder, to group leader driver/service attendant in Office of Business Services.
Robert W. Sosar, to food services worker A, Housing and Food Services at Hazleton.
Scot T. Zernick, to operating room assistant at Hershey.

Arts

Continued from Page 6.

Daniel Dauner of the School of Music, will perform works by Philips, Berger, Jennings, Johnson and Shaw.

The Dickinson College Choir, directed by Truman Bullard of Dickinson College's Music Department, will perform works by Sweelinck, Schutz, Finzi and Spencer. The University Choir Chamber Ensemble, directed by Mr. Dauner, will perform works by Byrd, Grieg and Parker.

The concert is free to the public.

African roots exhibit

To commemorate Black History Month, an exhibit is being held in the African American Studies Room in Pattee Library at University Park until Feb. 29.

The theme of the exhibit, "African Roots Explore New Worlds: Pre-Columbus to the Space-Age," alludes partly to the case developed by some scholars that prior to Columbus' arrival in the Americas 500 years ago, the New World had already been visited by African explorers and settlers who left intriguing evidence throughout the Americas of a possible pre-Columbus African presence.

The theme also relates to persons of African descent in their role as explorers, pioneers, inventors, and scientists in the arenas of the New World and the frontier of space. Early 20th century African American scientists and explorers also are included. In addition, African Americans who have been active in space as astronauts and space scientists are featured in the exhibit.

For more information, contact Clarence Chisholm, chief of Access Services, at 863-4832.

Sculpture exhibit

An exhibition of works by undergraduates in introductory sculpture classes last fall will be on view through Friday, Feb. 28, on the second floor of Chambers Building at University Park.

Sallie McCorkle of the School of Visual Arts faculty coordinated the exhibition.

Paintbrush Diplomacy

Selected artwork by children living throughout Central, South and North America is highlighted in "Paintbrush Diplomacy: Children's Art From the Americas," an exhibition organized by Paintbrush Diplomacy of San Francisco, and the Smithsonian Institution Traveling Exhibition Service, and on display until March 1 at the Formal Art Gallery in the Hetzel Union Building at University Park.

The exhibition includes paintings by children ranging in age from three to 13 and representing eleven countries. The gallery director extends a special invitation to children between these ages, as well as to local elementary and Jr. High School art teachers. The exhibit is especially unique because it is displayed from a child's perspective rather than the standard adult eye level.

Paintbrush Diplomacy, founded in 1972 by Char and Ruby Pribuss, is a non-profit organization dedicated to fostering peace and communication through the worldwide exchange of children's art. The organization, which in the words of Char Pribuss began as a "mom and pop" operation, has since grown enormously, with many "volunteer ambassadors" exchanging children's art from as many as 35 countries.

Framed in bright primary colors, the paintings in the exhibition show many facets of life in diverse lands. Symbols and customs unique to specific areas of the world are portrayed. Differences also can be seen in the depictions of topography and architectural styles.

Mexican manuscripts

To commemorate the 500th anniversary of the voyage of Christopher Columbus, the Rare Books Room in Pattee Library will exhibit its collection of facsimiles of early Mexican manuscripts through March 13.

The peoples of Central America perfected a numbering system, a sophisticated chronology based on astronomy, and a distinctive and decorative set of ideograms from which to record events and rituals. Many of the manuscripts deal with cycles of time relating to specific rituals associated with gods.

The majority of the manuscripts on display in the Rare Books Room are modern facsimiles. However, the exhibit includes some extraordinary lithographic copies to show the contrasts between early lithography and current photomechanical techniques.

The lithographic copies were made at the expense of Lord Kingsborough of Great Britain, who commissioned the copying of these early Mexican manuscripts published from 1831 to 1838.

Phone books to be recycled

For the first time, the University community will be able to recycle telephone directories for a six-week period beginning the week of Feb. 10.

New directories will soon be delivered to all University offices. To recycle old ones, Penn State employees and students are asked to put directories in specially marked barrels inside the major entrances of most buildings and inside each residence hall.

"Nearly 50 tons of Bell and Donnelley directories were distributed on campus last year," **Phillip R. Melnick**, manager of support operations and special programs for the Office of Physical Plant, said. "No special preparation is necessary to recycle the directories, but it is critical that they be placed in the specially marked barrels and not mixed in the blue barrels with other recyclable paper."

The directories will be collected by Physical Plant employees with the assistance of members of the Eco Action student organization and taken to the Solid Waste Authority recycling facility at Dale Summit where they will be shredded, baled, and sold to farmers as animal bedding.

PENN STATE
RECYCLES

Students living off-campus, Penn State employees and other county residents can put their directories in with newspapers at any Centre County Solid Waste Authority recycling location or in the red curbside bins for pick-up.

"If our campus recycling effort is successful, we can offer it each year and can divert a significant volume of directory waste from the landfill," Mr. Melnick said.

Vice president of New York firm to speak

Paul Cappelli, senior vice president and group creative director of McCann-Erickson New York, will speak at 7:15 p.m. Tuesday, Feb. 18, in the Carnegie Cinema at University Park. His talk is titled "The Creative Process in Advertising: The Cola Wars."

His visit is sponsored by the School of Communications under the auspices of the Ambassador Program of the Advertising Educational Foundation. Under the program, advertising or marketing executives visit colleges and universities nationwide to discuss the advertising process and its role in the U.S. economic and social structure, as well as related issues, with students and faculty.

Mr. Cappelli joined McCann-Erickson in 1985 and served in several positions, most recently as deputy creative director. Also a senior vice president, he oversees the account for Coca-Cola.

A 1985 winner of the prestigious Clio advertising award, Mr. Cappelli received a B.A. in communications arts from Iona College and has attended the School of Visual Arts in New York City.

The Advertising Educational Foundation, a non-profit organization supported by agencies, media companies and advertisers, is dedicated to building a better understanding and appreciation of the socioeconomic role of advertising in everyday life.

Professor of human development to deliver Outstanding Research Achievement Award Lecture

Sherry Willis, professor of human development, will deliver the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award Lecture, "Enhancing Intellectual Ability in the Elderly," at 8 p.m. Thursday, Feb. 20, in the HUB Assembly Room at University Park.

The Pattishall Award, sponsored by the College of Health and Human Development, recognizes a faculty member for outstanding research contributions occurring or culminating within the past several years. The recipient presents an evening lecture highlighting his or her research.

Dr. Willis' research, funded by the National Institute on Aging for the past 15 years, focuses particularly on developing and evaluating training programs to help other adults compensate for age-related declines. She also looks at practical intelligence—how people solve everyday problems, such as understanding the instructions on prescription labels.

A member of the editorial board of the *Journals of Gerontology: Psychological Sciences*, Dr. Willis also is a consulting editor for *Gerontology Review* and a reviewer for several other journals. She is co-author, with **K. Warner Schaie**, of the textbook, *Adult Development and Aging*, now in its third edition, and co-editor with **Samuel Dubin**, of *Contemporary Approaches to Professional Updating*. She holds Fellow status in two divisions of the American Psychological Association and in the Gerontological Society of America.

Sherry Willis

The Pattishall Award was endowed by **Evan Pattishall**, dean emeritus of the former College of Human Development, and his wife, Helen, a graduate of the college.

This year's other Pattishall Award recipient, **Michael Green**, associate professor of nutrition science, will present a lecture on "Mathematical Modelling of Biological Systems" on March 26.

Monday, Feb. 24

Photojournalist to lecture on scientific communication

Robin Bates, television photojournalist, will present the 1992 A. Dixon Johnson Memorial Lecture in Scientific Communication at 8 p.m. Monday, Feb. 24, in S-S Osmond Laboratory at University Park. The lecture, which is free to the public, is titled "Dinosaurs and Human Destiny: A Fable for All Mankind."

Mr. Bates has won critical acclaim for his work in writing, directing, and producing such NOVA programs as "The KGB, the Computer and Me" and "Death of a Star," which won the Sci-Tech '89 Award for Best Science Film of the Past Two Years. His many NOVA credits also include films on dinosaur extinction and the construction of Gothic cathedrals.

He is a graduate of the University of Exeter with a bachelor's degree in philosophy.

Previous A. Dixon Johnson speakers include astronomer/author Carl Sagan, "New York Times" science editor Walter Sullivan, physicist/author Phillip Morrison, NBC News science correspondent Robert Bazell, and physicist/"New Yorker" magazine staff writer Jeremy Bernstein.

The A. Dixon Johnson Memorial Lectures in Scientific Communication are a project of the Eberly College of Science Alumni Society and are supported by donations to the college's Science Fund and the A. Dixon Johnson Foundation. The lectures are named in honor of the late A. Dixon Johnson, science writer and head of the Penn State Office of Public Information.

Committee appointed to study orientation process

An orientation committee has been appointed by C. **Gregory Knight**, vice provost and dean for undergraduate education, under the auspices of the Administrative Council on Undergraduate Education.

The committee will study the orientation process being implemented at all Penn State campuses, Dr. Knight said, noting that orientation programs are widely construed as all processes of acculturation to the University, rather than being narrowly defined as activities during "orientation" at the beginning of each semester.

The committee is charged with the following responsibilities: (1) to act as a policy guidance group to the Office of Undergraduate Information and Communications at University Park; (2) to act in an advisory capacity concerning orientation programs and activities at other CES locations; and (3) to have on-going responsibility for the conceptualization, design, and assessment of programs and activities that serve students during their initial matriculation at Penn State, as well as in the process of change of assignment.

Members of the committee include: **Harold W. Aurand**, director of academic affairs, Hazleton Campus; **William M. Farnsworth**, director, Office of Undergraduate Information and Communications; **Judith J. Goetz**, assistant director, Division of Undergraduate Studies; **Dr. Knight**; **Edward F. Linder Jr.**, Division of Undergraduate Studies, Allentown Campus, and Council of Chief Student Affairs Officers; **E.R. Melander**, associate vice provost; **Salvatore Meringolo**, associate librarian; **James Mortensen**, associate dean, College of Agricultural Sciences; **Patricia C. Peterson**, assistant vice president for campus life; **Charles H. Strauss**, Senate Council, College of Agricultural Sciences; **Russell S. Vaught**, director, Center for Academic Computing, and **Peter Weiler**, assistant vice president and executive director, Alumni Association.

W.M. Farnsworth has agreed to serve as interim chair of the committee, which is scheduled to present a briefing paper regarding orientation to ACUE by June of 1992.

Faculty, staff and students who wish to contribute comments and suggestions dealing with the Penn State orientation process are encouraged to contact any of the committee members

Faculty, staff, and students who wish to contribute comments and suggestions dealing with the Penn State orientation process are encouraged to contact any of the committee members.

College of Engineering open house and formal dinner set for February

The annual College of Engineering Open House and a formal dinner, featuring a local executive, will help to celebrate National Engineer's Week (Feb. 16-22) at University Park.

Steve Groves, plant manager of Corning Asahi, State College, is the featured speaker at the annual Engineer's Week dinner, Sunday, Feb. 16.

The annual Engineering Open House will be held from 9:30 a.m. to 3:30 p.m. Saturday, Feb. 22. Tours of engineering facilities and research laboratories, free Creamery ice cream, laboratory demonstrations and a luncheon for women in engineering are just a few of the offerings scheduled.

Engineering Open House offers prospective and current students and their parents introductions to engineering majors, facilities and student organizations. Bus and walking tours, demonstrations and information sessions will cover all 11 engineering majors as well as the nine engineering technology majors offered at the Commonwealth Campuses.

The luncheon, open to all prospective women students, is sponsored by the Society of Women Engineers and the Women in Engineering Program. Reservations are required.

Information booths in Kunkle Lounge and in Sackett Building will offer information on all aspects of the College of Engineering and the University, including financial aid, admissions and special programs. **For more information about Open House, contact Jo Beightol, 863-3064.**

The annual Engineer's Week dinner kicks off National Engineer's Week activities by bringing members of the business and university communities together to celebrate the engineering profession.

The speaker, Steve Groves, joined Corning Asahi in March. In his 20 years with Corning Incorporated, he has been production superintendent at Muskogee, and plant manager at Big Flats, Canton and Danville, VA. He also has held positions as division manager for Optical Products Europe; operations manager for Automotive Ceramics; project director for Optical Waveguides, and VP-Operations at Gilford Instruments.

The Engineer's Week dinner, open to members of the community, begins at 6:45 p.m. at Toftrees. Reservations are required. **For more information, contact event organizer Donna Schroyer, 865-1831.**

Vacancies

Continued from Page 12.

■ **10220, Coordinator, Children's Miracle Network Telethon, Department of Planning and Marketing Services** — Responsible to the assistant director of planning and marketing services for the direction of the Children's Miracle Network Telethon to include all planning and support activities, allocation of funds, establishment of fund tracking mechanism and supervision of staff. Requires a bachelor's degree or equivalency plus 2-4 years of effective experience preferable in public relations or promotional activity. STAFF EXEMPT, GRADE 7.

■ **10221, Assistant Coordinator, Children's Miracle Network Telethon, Department of Planning and Marketing Services** — Responsible to the telethon coordinator and the assistant director of planning and marketing services for various recruitment activities for the Children's Miracle Network, including database management, collateral preparation, and special event execution. Requires a bachelor's degree or equivalent, plus 2-4 years of effective experience in public relations or promotional activity. Strong interpersonal organizational skills desirable. STAFF EXEMPT, GRADE 6.

■ **10224, Assistant Director of Financial Aid, Department of Student Affairs** — Responsible to the director of student affairs for the development and supervision of the daily operations of the financial aid process at the College of Medicine, including packaging of student awards, certification of loans, entrance and exit interviews, counseling, training, quality control, publications, and reports. Requires a bachelor's degree with no less then two years of effective financial and/or related experience. STAFF EXEMPT, GRADE 6.

■ **10227, Manager, Flight Operations, Department of Flight Services** — Responsible to the senior associate hospital director for the planning and management of the flight operations unit. Requires a bachelor's degree (or equivalent) and three to four years of effective experience. FAA Commercial Pilot's License and "Pilot in Command" qualifications in accordance with Federal Aviation Regulation (FAR) Part 135, and 3500 hours of Rotor Time (100 hours in turbine helicopters, 250 hours in night operation and 35 hours of IFR time) is required. Airline Transportation Pilot (ATP) and Instrument Flight Rules (IFR) ratings required. Some supervisory experience also required. Certified Flight Instructor Certificate, check pilot in aircraft comparable to Hershey Medical Center, aircraft and Emergency Medical Services (EMS) experience are preferred. STAFF EXEMPT, GRADE 7.

Focus on Research

Scientists design system to help understand effects of clouds

Clouds are a critical factor in global warming and consequently global climate models, but until recently, cloud data from satellites, balloon launches or aircraft were intermittent and sometimes difficult to obtain, according to a University researcher.

"The effects of clouds in climate modeling and on greenhouse warming have only been realized over the past 10 years," said **Thomas P. Ackerman**, associate professor of meteorology. "With the advent of computer climate simulations, the role of clouds has become a critical issue."

To help solve this problem, Dr. Ackerman and other Penn State researchers have designed the Cloud Observing System, a collection of ground-based instruments to continuously measure the parameters needed to understand clouds.

"We do have satellite data, which gives us a snapshot of conditions, but our meteorological satellites are not in good shape and there is the likelihood that we won't have any good data from them in the future," Dr. Ackerman said.

> *"The effects of clouds in climate modeling and on greenhouse warming have only been realized over the past 10 years."*

Clouds can either warm or cool the earth. They reflect away 20 percent of the energy from incoming sunlight, but also act similar to greenhouse gases by absorbing thermal energy emitted from the ground.

"There are two competing effects here, one reflecting energy before it reaches the earth and the other, absorbing energy emitted from the ground in the atmosphere," said Dr. Ackerman. "We need to understand these effects and come up with a scientifically sound basis to allow us to predict the effects of clouds in the climate models."

"We are not particularly interested in convective clouds, those associated with thunder storms, because their effect on climate is relatively small," Dr. Ackerman said. "We are interested in cirrus clouds, high ice crystal clouds, and stratocumulus, low-lying, grey cloud decks."

The researchers would like to know the clouds' base height, liquid and ice content, structure, radiation characteristics, optical depth and droplet size. They would also like to know surface information such as solar flux, infrared flux and basic meteorological information, including surface temperature, pressure and wind velocity.

"Traditionally, we have studied clouds in campaign fashion, going out to the field for three to five weeks with everyone transporting equipment," Dr. Ackerman said. "We then set up the ground-based system and tried to correlate that data with data obtained by aircraft flyovers."

This methodology grew out of campaigns to study severe storms such as hurricanes.

"We need to study climate and the physics of the changes we see," he added. "We can't measure climate in two days or even four weeks, we need to have continuous monitoring."

Dr. Ackerman and **Bruce A. Albrecht**, who studies stratocumulus clouds and is a professor of meteorology, were discouraged with the productivity of campaign studies and began working on the Cloud Observing System as a ground-based alternative.

COS consists of about a dozen instruments. Three 50 megahertz wind profilers are deployed in a triangle with one side at about 150 miles or approximately the distance from Pittsburgh to State College. These wind profilers provide information on the horizontal wind velocity and wind direction from about 2 to about 15 kilometers. Two other wind profilers, 405 and 915 megahertz instruments, measure the wind from about half a kilometer to about 6 and 2 kilometers respectively.

Vertical wind velocity measurements are difficult to obtain from the ground, according to Dr. Ackerman. By using three wind profilers in a triangle, the average vertical wind velocity can be calculated from the horizontal velocities entering and leaving the triangle.

"We can compare the mass entering the triangle to the mass leaving the triangle and what isn't accounted for is either going up or down," he said.

Using a RASS or radio acoustic sounding system, the researchers can determine temperature profiles to about four kilometers, because temperature is related to sound propagation.

A 94 gigahertz cloud radar can see and plot the internal structure of clouds — Penn State has one of the two existing three millimeter doppler radars. Dr. Albrecht eventually would like to place the instrument on a scanning platform and, coupled with computer data analysis, provide details of the internal structure of clouds that have previously been impossible.

Other ground-based instruments used in the Cloud Observing System include: a ceilometer to measure cloud base; infrared radiometer to measure ice water content; microwave radiometer to measure total water vapor and total liquid water; sun photometer to measure sunlight at the ground surface; and a video camera that records the entire sky area.

The researchers also use standard meteorological data, satellite data, and mesoscale weather models. They also still employ meteorological balloons for temperature and pressure readings and to measure water vapor profiles.

"No one is really sure how to do vertical water vapor profiles without balloons," said Dr. Ackerman. "But even if we didn't need that information, we would use the balloons because all other studies have used balloon data and it gives us a way to equate our data with past information."

– A'ndrea E. Messer

Thomas P. Ackermon (left) discusses computer climate simulations with two graduate students. (Photos by Greg Grieco)

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, February 20. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 02188, **Animal Resource Program Coordinator, Senior Vice President for Research and Dean of the Graduate School, Laboratory Animal Resources Program, University Park Campus** — Responsible to the director for the day-to-day management and coordination of the University's laboratory animal care and use program, including coordination of technical staff and related resources. Assure compliance with appropriate State and Federal laws and regulations. Requires master's degree in biological or animal sciences, with two to four years of experience in managing a large laboratory animal research-oriented program. Certification as an animal technologist preferred. STAFF GRADE 8.

■ 02204, **Application Programmer/Analyst, Office of the President, Affirmative Action Office, University Park Campus** -- Responsible to the director of affirmative action for conducting analysis of data processing problems, production of the annual affirmative action plan, determining detailed requirements to solve problems, formulating logical statements of systems problems, preparing computer programs, and for acting as liaison with various other University offices as required. Design, modify, test, and submit computer programs utilizing RONSCOE, SAS, NATURAL and other high level languages. Requires bachelor's degree, or equivalent, in computer science and one to two years of effective experience in computer programming and analysis. Knowledge of statistical software and micro and main frame computer systems also is required as well as excellent interpersonal skills. STAFF GRADE 6.

■ 02205, **University Computing, Network and Information Security Officer, Computer and Information Systems, Office of the Executive Director, University Park Campus** — Responsible to the executive director of computer and information systems for the development and implementation of university-wide policies, controls and procedures relating to university computing, network, and information security; monitoring security violations; providing training programs related to network and information security, and making recommendations concerning enhancements of security support systems. Requires bachelor's degree, or equivalent, in computer science or related field, plus four to six years of effective experience in network security, network and/or operating systems design. STAFF GRADE 9

■ 02206, **Program Manager, Cooperative Business Education Research Program, Agricultural Sciences, Agricultural Economics and Rural Sociology, University Park Campus** — Develop educational programs for agricultural cooperative directors, employees, and management and conduct promotional campaigns to advertise programs. Provide leadership to the cooperative educational community in Pennsylvania and the northeast. Assist in research on applied issues of concern to the cooperative community. Provide technical assistance to cooperatives in Pennsylvania and the northeast. Requires master's degree in agricultural economics or related field plus one to two years of effective experience. Traveling required (Four to five overnight trips per month.) STAFF GRADE 7.

■ 02207, **Construction Quality Representative (General), Office of Physical Plant, University Park Campus** — Responsible to a senior quality construction representative for the inspection of construction projects and day-to-day related coordination and monitoring of work being performed by prime contractors and their subcontractors. Requires associate degree, or equivalent, in architecture, engineering, or related field, plus two to four years of effective experience on commercial and institutional building projects at a supervisory level. BOCA certification preferred. STAFF GRADE 6.

■ 02208, **Director, Continuing Education, Penn State Great Valley** — Responsible to the center executive officer for the planning, marketing, organizing, implementing, administering and directing the continuing education offerings of Penn State Great Valley. Responsible for the supervision of area representatives and program assistants in continuing education. Strong experience and well developed skills in working closely with faculty and established academic units are strongly desired. Requires bachelor's degree, or equivalent, and five to seven years of effective and satisfactory experience preferably as an area representative in continuing education. Master's degree preferred. STAFF GRADE 9

■ 02209, **Advising/Counseling Specialist, CES, Hazleton Campus** — Responsible to the D.U.S. coordinator/director of academic affairs for conducting personal, academic, educational, and career counseling and advising programs and services. Assist with the activities of other student programs and services and academic services as assigned. Requires master's degree, or equivalent, in counseling or related field, plus one to two years of effective experience in counseling or a closely related area. STAFF GRADE 7.

■ 02210, **Area Representative, Continuing Education, Shenango Campus** — Responsible for the development, organization, operation and administration of Continuing Education programs and services. Plan; schedule; staff; conduct evening school class operations, workshops, conferences; and contract services with clientele organizations. Develop a marketing plan to include making public contacts and initiate the development and writing of material. Requires bachelor's degree, or equivalent, plus two to three years of effective experience in business, industry or education. STAFF GRADE 7.

■ 02211, **Director, Continuous Quality Improvement Center, President's Office, University Park Campus** — Responsible to the executive vice president for planning, developing, implementing, administering and/or conducting faculty and staff continuous quality improvement programs throughout the University. Consult with areas to assess and assist in establishing continuous quality improvement teams; develop training and awareness programs to prepare areas to sponsor or participate in continuous quality improvement teams. Requires master's degree, or equivalent, in education, business administration or in a field directly related to human resources or organization development and four to seven years of effective experience in teaching total quality management or in working in a total quality organization. STAFF GRADE 9.

■ 02180, **Director of Student Programs and Services, CES, DuBois Campus** — Responsible to the campus executive officer for the overall organization and administration of student programs and services at the campus, including student activities, student health, placement, career development, recreation/athletics, financial aid, cultural programming, minority programs, retention programs, and others where appropriate. Requires master's degree, or equivalent, in an appropriate discipline, plus three to four years of effective experience with student affairs administration. An earned doctorate preferred. STAFF GRADE 8

■ 02181, **Director of Student Programs and Services, CES, Schuylkill Campus** — Responsible to the campus executive officer for the overall organization and administration of student programs and services at the campus, including student activities, student health, placement, career development, recreation/athletics, financial aid, cultural programming, minority programs, retention programs, and others where appropriate. Requires master's degree, or equivalent, in an appropriate discipline, plus three to four years of effective experience with student affairs administration. An earned doctorate preferred. STAFF GRADE 8.

■ 02182, **Director of Student Programs and Services, CES, Shenango Campus** -- Responsible to the campus executive officer for the overall organization and administration of student programs and services at the campus including student activities, student health, placement, career development, recreation/athletics, financial aid, cultural programming, minority programs, retention programs, and others where appropriate. Requires master's degree, or equivalent, in an appropriate discipline, plus three to four years of effective experience with student affairs administration. An earned doctorate preferred. STAFF GRADE 8.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by February 20.

See 'Vacancies' nn Page 10.

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INTERCOM

February 20, 1992 Volume 21, Number 22

Task Force makes recommendations on alcohol abuse

To combat the abuse of alcohol on college campuses in Pennsylvania, a Presidential Task Force has included among its recommendations that:

-- colleges and universities not permit brewery company advertising or sponsorship of events on their campuses;

-- the Federal government exert control over the advertising of alcoholic beverages on radio and televisions; and

-- every educational institution set up housing alternatives, or wellness wings, free of alcohol, other substances, and tobacco for interested students.

These recommendations were included in a final report released Feb. 10 by the Presidential Task Force on Substance Use Issues on Pennsylvania College and University Campuses.

"Alcohol is the most widely used 'drug of choice' on college campuses today and we cannot solve the problem," said Peter Likins, Task Force chairman and president of Lehigh University.

"Alcohol is an underlying influence in most acts of vandalism and violence, including rape on college campuses, and the incipient cause of death in automobile and other accidents for college-age youths."

The Presidential Task Force, consisting of members from the health and education professions, was formed by the Pennsylvania Association of Colleges and Universities two years ago at the request of the Secretary of the Pennsylvania Department of Health.

In its report, titled "Drugs on Campus At The Bimillennium (year 2000)," the members urged higher education institutions to ban alcohol advertising in their publications and "decline brewer sponsorship of sporting events on campus."

"Such sponsorship directly promotes use and indirectly fosters the belief that alcohol and sports are naturally related."

The Task Force, in a recommendation to the Federal government, emphasized that all alcoholic beverage advertising be prohibited or regulated in conformity with approved standards.

Standards mentioned included those adopted by the Wine Institute and the Century Council, which are "generally practiced for wines, but not for beer or wine coolers."

The study also called on the state to ban the retail sale of pure grain alcohol. "There is no legitimate need for the general public to have ready access to a drug used primarily by college students to 'spike the punch,'" it concluded.

The Task Force, in what is believed to be the first statewide study done on

See 'Task Force' on Page 4.

Breazeale Reactor named Nuclear Historic Landmark

The Breazeale Reactor at University Park has been designated a Nuclear Historic Landmark by the American Nuclear Society (ANS).

The first reactor to be licensed by the Atomic Energy Commission, after 36 years of operation, the Breazeale Reactor holds License R-2, now valid until 2006.

For 35 years, Penn State's reactor has served the academic community in education, research and service. Annually, 20 to 30 University departments, including Nuclear Engineering, Biology, Anthropology, Geosciences and Food Science, use the Breazeale Reactor.

"In the 1950s and early 1960s, a major emphasis was on understanding nuclear reactors--reactor dynamics, fuel management, fuel element characterization and reactor core power distribution--the things one now finds in textbooks or handbooks and demonstrated routinely in reactor laboratory courses," Marcus H. Voth, director of the Radiation Science and Engineering Center, said.

"Another emphasis was developing scientific applications of nuclear technology under the 1953 Atoms for Peace program."

Today research reactors provide a source of neutrons for basic and applied research, including neutron activation analysis, neutron radiography, basic material research and radiation effects studies.

Penn State participates in the Department of Energy's reactor sharing program along with the 32 other U.S. universities with operating reactors so that researchers at other institutions can have access to research reactor facilities.

The reactor and surrounding facilities are used for nuclear engineering classes, graduate research in nuclear engineering and physics and for various analysis required for graduate and faculty research in a large variety of disciplines.

"Training of nuclear plant operators has been a large part of our continuing education program, but this has recently decreased as power plants are now required to have simulators where they train operators themselves," Dr. Voth, who also is associate professor of nuclear engineering, said.

The Nuclear Concepts and Technological Issues Institution, a 20-year-old summer program for high school teachers, introduces educators to nuclear science. These same teachers bring bundreds of high school students to the Breazeale Reactor for experiments and educational tours.

Named for its designer, William Breazeale, the reactor was initially commissioned in 1955 as a 100-kilowatt reactor and later upgraded to 200 kilowatts. The first reactor operator license issued by the AEC was awarded to Dr. Breazeale.

In 1965, the reactor became the first to convert to a TRIGA--Training Research and Isotope production reactor by General Atomics--reactor core with 1000 kilowatts steady state capacity and 2000 megawatt pulsing capability. In 1991, Breazeale was upgraded with microprocessor-based digital reactor control and safety system made possible by a grant from the Philadelphia Electric Corporation.

Established in 1985 by ANS, the Nuclear Historic Landmark award series identifies and memorializes sites or facilities where outstanding physical accomplishments occurred that were instrumental in the development of nuclear technology and the peaceful uses of nuclear energy.

The core of the Breazeale Reactor is seen in this Greg Grieco photo.

Focus on Diversity

Fellowships offered to Native American Indian students

Special education Ph.D candidates eligible to receive stipend

The University is offering graduate fellowships to Native American Indian students interested in doctoral level training in special education.

The deadline for submitting applications is June 15 for fall semester 1992. It is expected, pending budget approval, that participants in the program will receive a monthly stipend of approximately $800, remission of tuition, as well as textbook, dependency and relocation allowances.

The American Indian Leadership Training program is newly established through a grant from the U.S. Department of Education and offers a specific course of study designed to prepare students for positions in higher education.

Seminars focusing on American Indian education and special education are conducted in conjunction with the nationally known Native American Leadership Training Program at University Park. Special program components include: analysis and synthesis of issues pertinent to American Indian education; development of research proposals dealing with American Indian special education; conducting research related to these issues; and disseminating findings from research.

It is expected that program participants will develop supervisory skills in personnel training; conceptualize, design, implement and disseminate at least one major research study dealing with American Indian special education, and acquire the skills necessary for quality teacher training.

Participants who complete the program receive a Ph.D. in special education. Program graduates will be qualified for several employment opportunities, including university level positions, special education program coordinator and consultant, special education program developer and special education position within the Bureau of Indian Affairs.

Anna Gajar, professor of special education, is director of the program. Applications are now being accepted. For more information, contact Anna Gajar, 226B Moore Building, University Park PA 16802, or call the program office at (814) 863-2284.

❦ Diversity Opportunities Calendar ❦

Through Feb. 29
Penn State Bookstore, daily, Bookstore Building. Black History Month display featuring books by African/Black American authors, books on African/Black American history, art, social issues, philosophy, photography, children's books and more.

Through Feb. 29
University Libraries, daily, Pattee Library African American Studies Room. Black History Month display titled, "African Roots Explore New Worlds: Pre-Columbus to the Space Age."

Thursday, Feb. 20
Office of Student Activities and Religious Affairs, 7 p.m., Paul Robeson Cultural Center. Lecture titled, "Malcolm X: A Legacy in the Radical Tradition on Black Political Thought," by James Turner, of the Cornell University Africana Studies & Research Center.

Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 6-8 p.m., HUB Gallery. Ebony and Ivory Week program titled, "Women's Issues," by LaVerne Gyant, interim director of Black Studies.

Alpha Phi Alpha, Sigma Phi Epsilon, Delta Gamma and Alpha Kappa Alpha, 8 p.m., Waring Commons Study Lounge. Ebony and Ivory program titled, "Racism as a Majority Problem," by John Barnes.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Performance by legendary jazz singer Betty Carter.

Saturday, Feb. 22
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Development" is the fourth in a series of faculty development workshops. Ms. Baiba Briedis, College of Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Leah Witzig at 863-1663.

Sunday, Feb. 23
WPSX-TV, 7 p.m., Channel 3. Sixth and final episode of program titled, "Americans, Too: Black Experiences in Rural America." Episode is titled, "Reconsiderations."

Monday, Feb. 24
Alpha Kappa Alpha, 7 p.m., Paul Robeson Cultural Center. Video/discussion titled, "Freedom Bags," by LaVerne Gyant, Black Studies interim director.

Tuesday, Feb. 25
Sigma Gamma Rho, 7 p.m., Paul Robeson Cultural Center. Presentation titled, "Celebrate the Black Family."

Wednesday, Feb. 26
Center for Women Students, noon to 1 p.m., 120 Boucke Building. Presentation titled, "The Experience of Black Women in the Field of Dance," by Myrna Munchus-Bullock, exercise and sport science instructor.

HUB Programs, 8 p.m., HUB Fishbowl. Concert titled, "Traditional Gospel Performance," by Diane McDaniel and Friends.

Center for the Study of Higher Education, 8 p.m., HUB Assembly Room. Center for the Study of Higher Education Lecture Series presentation titled, "Transforming Knowledge: Excellence vs. Equity," by Elizabeth Kamarck Minnich, Union Graduate School of the Union Institute professor.

Penn State Beaver Campus, 7 p.m., 107 Michael Baker Building. Film presentation titled, "Eyes on the Prize: The Keys to the Kingdom."

Thursday, Feb. 27
Black Graduate Student Association, 7 p.m., 101 Kern Graduate Commons. Presentation titled, "Perspectives on Black Families," by Harold E. Cheatham, professor of education.

Paul Robeson Cultural Center Conference Room, 4-5 p.m. Coffee Hour with professor Adele Proctor who will discuss language variation and cognitive styles/strategies of African-American English speaking children.

Saturday, Feb. 29
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Workshop titled, "Promotion and Tenure Roundtable," by Harold E. Cheatham, professor of education. Attendance is limited to those who have participated in a previous promotion and tenure workshop. To make reservations, contact Ms. Leah Witzig at 863-1663.

African Student Association, 5:30 p.m., HUB Ballroom. Ninth Annual "A Touch of Africa" Dinner/Dance.

Women's History Month

Allentown Campus schedules events

The Penn State Allentown Campus has scheduled three events during March to celebrate Women's History Month.

On Tuesday, March 3, Michael O'Malley will present a program on personal safety. "Become Street Wise" is a slide presentation that covers several areas of safety, including mental alertness, date rape, rape prevention, home security, and the risks of traveling by car and public transportation.

On Thursday, March 19, the film, "The American Experience: Indians, Outlaws, and Angie Debo," will be shown. The film recounts the life of Angie Debo, a scholar whose work on behalf of Native American tribal sovereignty and land rights is seen as the cornerstone of Indian history.

On Thursday, March 26, Marcy Roman, R.N., from WomanCare, will discuss breast cancer, reconstruction and self-examination.

All events will take place at noon in the Academic Building. The programs are free to the public.

International Festival to be held

The Eighteenth Annual International Festival sponsored by the Office of International Students and the International Student Council will be held Feb. 21 and Feb. 23.

The International Coffeehouse, co-sponsored by the Graduate Student Association, will be held at 7:30 p.m. Friday, Feb. 21, in Room 102 Kern Building. The International Fair, featuring food, arts and crafts, and children's activities, will be from 11:30 a.m. to 4:30 p.m. Sunday, Feb. 23, in the Hetzel Union Building.

Food and crafts may be purchased at the Fair. For more information contact Maureen Costello at 865-6348.

WPSX-TV

Story of Sarah Vaughan to air

Gifted with a voice that could have made her a candidate for grand opera, yet possessing a jazz musician's powers of invention and utter daring, Sarah Vaughan was one of the greatest singers of jazz and popular music this country has ever known.

Sarah Vaughan: The Divine One, airing at 10 a.m. Sunday, Feb. 23, on WPSX-TV includes interviews with Ms. Vaughan's associates and admirers, and clips from the singer's live performances that amply demonstrate why she has been called "the Divine Sarah."

Focus on Diversity

York Campus names director of enrichment program

"Making a difference" for some children is what **Dorothy Aldrich Alexander** hopes to do for the students in Penn State York Campus' educational partnership, Mathematics: Opportunities in Engineering, Science and Technology (MOEST) Program.

Ms. Alexander has been named the first full-time director of the MOEST Program, the York Campus' year-round educational enrichment program designed to increase African American and Latino students' abilities in math and science. She previously was coordinator of the Minorities in Engineering Program at Union County College in Cranford, N.J.

In her new role as director of MOEST, Ms. Alexander is responsible for administering the program which currently involves some 65 students in two York City schools. Developed in 1989 and piloted in 1990-91 with 24 students, MOEST received a $272,000 National Science Foundation (NSF) grant to allow the program to continue and expand.

"I consider this position a challenge because most programs target A/B students," Ms. Alexander said. "MOEST deals with B/C students and I'm anxious to be a part of it. My experience in teaching has been at middle school level and I think its a key area to make a difference in children's lives."

A native of Salisbury, N.C., Ms. Alexander has more than 29 years of educational experience. She has worked as both a math and science teacher in New Jersey and North Carolina and served as math supervisor for the school district in Plainfield, N.J., for 10 years.

She holds a master's degree in administration and supervision from Kean College in Union, N.J. and a bachelor's in mathematics and science from Livingston College, Salisbury, N.C.

Ms. Alexander is a member of the National Council of Math Supervisors, National Action Council of Minorities in Engineering, National Council of Math Teachers, National Association of Precollege Directors, National Association of Minorities in Engineering Program Administrators, Phi Delta Kappa and Alpha Kappa Alpha sorority.

Dorothy A. Alexander

Penn Staters

Eric J. Barron, professor of geosciences and director of the Earth System Science Center, has been appointed to the Committee on the Human Dimensions of Global Change. The committee is under the direction of the National Research Council, Commission on Behavioral and Social Sciences and Education.

Craig A. Bernecker, assistant professor of architectural engineering and director of illumination studies, has been elected a Fellow of the Illuminating Engineering Society of North America.

Refik Culpan, associate professor of management and international business at Penn State Harrisburg, presented a paper, "Theoretical Foundations of International Joint Ventures," at the European International Business Association's 1991 Conference in Copenhagen, Denmark.

For the third consecutive year, **Joseph Dixon,** professor emeritus of chemistry and former head of the Department of Chemistry, has been reelected, by unanimous vote, as chairman of the American Chemical Society (ACS) board of directors.

Roy H. Hammerstedt, professor of biochemistry, has been elected to a three-year term on the board of directors of the Society for the Study of Reproduction, an international biomedical research society specializing in basic and clinical research in the reproductive sciences.

Samuel A. McClintock, assistant professor of engineering at Penn State Harrisburg, has won a Citation of Excellence Award from the Water Pollution Control Federation in the Ph.D. category, student paper competition.

Raja V. Ramani, professor of mining engineering and head of the Department of Mineral Engineering, has been appointed a member of the Mine Safety and Health Administration's (MSHA) Belt Air Advisory Committee.

M. Kudret Yurtseven, assistant professor of engineering at Penn State Harrisburg, presented a paper, "An FIR Kalman Equalizer for Real-Time Applications," at the International Conference on DSP Applications and Technology in Berlin, Germany.

Obituaries

Elizabeth J. Cramer, janitorial worker, Penn State Schuylkill Campus, since Feb. 11, 1980, died Jan. 4. She was 47.

Edward A. Mintmier, retired associate professor of agricultural extension, died Jan. 17 at the age of 78.

He was a 1934 graduate of the Indiana University of Pennsylvania, with a bachelor of science degree in education, and a 1940 graduate of Penn State with a bachelor of science degree in agriculture. In 1956 he received a master's degree in rural sociology from Cornell University.

He served as assistant agricultural agent in Cambria County from 1946 to 1949 when he became an associate state 4-H Club leader. He retired in December 1973, after 27 years in the extension service.

Robert C. Brandt, mechanic, maintenance, Penn State Altoona Campus, from Sept. 1, 1964, until his retirement Sept. 1, 1976, died Jan. 25 at the age of 78.

Paul J. Conway, retired associate professor of engineering at the Penn State Altoona Campus, died Jan. 27 at the age of 65. He joined the faculty Sept. 1, 1957, and retired Jan. 1, 1987.

Grace I. Holmes, clerk, University Libraries, from March 16, 1943, until her retirement Oct. 1, 1966, died Jan. 30. She was 89.

Glade E. Horner, janitorial worker, Office of Physical Plant, from June 14, 1943, until retirement Feb. 20, 1975, died Jan. 26 at the age of 75.

Clarence Kelley, printing machine operator, Business Services, from Nov. 25, 1957, until his retirement Feb. 1, 1979, died Jan. 22 at the age of 74.

Forrest A. McMullen, maintenance machinist, Office of the Physical Plant, from Jan. 15, 1968, until his retirement April 1, 1979, died Jan. 22. He was 74.

News in Brief

Guest speaker
Carey Fraser, of the Social Science Research Council, will discuss "The End of the Cold War and the Implications for Inter-American Relations" at 7 tonight in 101 Kern Building at University Park. His presentation is sponsored by the International Student Council.

Science writers
Carl Mitcham, director of the Science, Technology and Society Program and associate professor of philosophy, will lead a lunchtime roundtable sponsored by the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Wednesday, Feb. 26 in Room 313 Kern Building at University Park. He will lead a discussion on "The STS Movement in Education."

The Penn State Chapter of the National Association of Science Writers meets for lunch and discussion on the last Wednesday of each month during the academic year. The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

Black Studies coffee hour
Professor Adele Proctor will discuss "Language Variation and Cognitive Styles/Strategies of African American English Speaking Children" at the Feb. 27 Black Studies Program Coffee Hour at 5 p.m. in the Paul Robeson Center Conference Room at University Park. Faculty, staff, and administrators are invited to attend.

Adult education seminar
Fred Loomis, director, Administrative Services, Continuing Education, will discuss "Continuous Quality Improvement in Higher Education" at the Adult Education Professional Seminar Series at noon Thursday, Feb. 27, in the Charlotte Building, 403 S. Allen St., State College.

Slavic Center seminar
Michael Bernhard, assistant professor of political science, will speak at the Slavic Center Luncheon Seminar on "Charismatic Authority and Democratic State Building: The Case of Poland" at noon, Wednesday, March 4, in 12 Sparks Building at University Park.

The public is invited. Those who come are requested to bring a brown bag lunch.

Bookbinding offered
The Office of Business Services is offering bookbinding to University students, faculty and staff at all campuses. Business Services will bind theses, books and periodicals according to Library Binding Institute standards. This service, which previously was offered at Pattee Library, will now operate out of the Copy Center, 107 Hostetter Building, University Park.

Thesis binding includes an 8.5-inch by 11-inch black cover with gold lettering and a double fan adhesive binding for $11. Delivery will be made two weeks after the order is placed and can be shipped UPS, First-Class, International or Express Mail. For more information, call Karen Wagner or Terry Yarnell at 863-2526.

Visiting scholar
A consultant for the Soviet Olympic team is a visiting scholar this year in the College of Health and Human Development. Vladmir Zatsiorsky holds a one-year appointment as professor of biomechanics in the Department of Exercise and Sport Science.

Dr. Zatsiorsky is on sabbatical from the Central Institute of Physical Culture in Moscow, where he is head of the Biomechanics Laboratory. As director of the All-Union Research Institute of Physical Culture in Moscow, he is responsible for the scientific training of elite athletes for the Soviet Olympic team.

At Penn State, Dr. Zatsiorsky is studying the biomechanics of human movement and the training of elite athletes.

Babysitters list
The Undergraduate Student Government has compiled a list of babysitters as part of a project to provide child care for the University community and employment opportunities for Penn State students.

A list of 42 babysitters is available by contacting the USG office or through a variety of campus organizations, including the Returning Adult Student Center, the Graduate Student Association, University Child Care Program Services, the Child Development Council, and the State College Babysitting Co-op.

The USG does not provide sitter education or a screening process for the babysitters, and assumes no risk or liability.

Textbook deadlines
The textbook department of the Penn State Bookstore on Campus wishes to remind faculty members that the textbook submission deadlines are: Summer Intersession, April 1; Summer Session, April 1; Fall Semester, April 15.

Please submit your textbook lists to the Penn State Bookstore on Campus. If you have any questions, please contact Tom Frankhauser at 863-4373 or textbook customer service at 863-3282 or 863-3291.

Task Force report

Continued from Page 1.

drug abuse on college campuses, also described a number of campus responses to control the use of alcohol, marijuana, cocaine and other drugs.

Each campus, the report noted, should develop a Coordinated Primary Prevention Program. Involved in the program would be all members of the campus community, promoting the proposed theme that "Being Out Of Control Is Never Smart."

Key to success of the program would be the employment on each campus of a full-time prevention specialist. This person would guarantee that up-to-date research, legislation and resources are readily available to the campus community.

The Task Force also recommended that every institution:

– Establish an interdisciplinary group responsible for developing and implementing a comprehensive alcohol and drug program; and

– Require and provide all students and employees with inexpensive health insurance that will cover standard alcohol and other drug treatment.

The task force also urged the state to:

– Enact "Good Samaritan" legislation that would enable colleges to "acknowledge their alcohol and other drug problems without fear of litigation . . ."

– Increase the state tax on beer – the beverage of choice on college campuses. Beer in Pennsylvania, according to the report, is accessible, inexpensive and not taxed as high as in many other states.

Revenue generated by the tax would be used for prevention and treatment of alcoholism and related research.

– Enact a bottle bill requiring a deposit on all glass and aluminum containers "with the unclaimed deposit dedicated to postsecondary alcohol education and other drug programming."

Although alcohol is the most damaging drug on college campuses, the Task Force emphasized that it "does not wish to obscure the dangers of the mind-altering substances."

"Many of these drugs present special challenges because they are illegal, expensive and more highly addictive than alcohol. As a result, addicts attract dangerous criminals and may themselves become dealers to support their addiction."

Gary Young, president of PACU, said counselors and substance abuse professionals will be invited to participate in the annual conference and training institute of the Pennsylvania Department of Health's Office of Drug and Alcohol Programs in December, 1992.

President Thomas discusses the Presidential Task Force report at a news conference at University Park. (Photo: Greg Grieco).

Wellness Wakeup

University employees find fitness in the morning

It's 6:20 in the morning and the parking lot behind Recreation Building at University Park is already starting to fill with cars. Is it an especially early tip-off time for a Penn State basketball game?

No, it's an enthusiastic group of exercisers arriving for their daily dose of fitness from Wellness Wakeup, the University's early morning fitness and health promotion program. Now in its second year, this unique program provides an opportunity to work out before the workday begins, shower, and head off to work feeling invigorated.

The program, jointly sponsored by the Office of Faculty/Staff Health Promotion and the Division of Recreational Sports, meets Monday through Friday, year-round, from 6:30 to 7:30 a.m. in the Intercollegiate Athletic Weight Room. Each morning starts with some pre-workout socializing and a group warm-up promptly at 6:30 a.m.

Following the warm-up, participants select from a variety of activities and head off to walk, jog, cycle, lift weights, or do aerobics. Trained staff, usually graduate and undergraduate students in Exercise and Sport Science, provide individual instruction on the weight machines, lead aerobics sessions, and answer questions about fitness throughout the hour. At 7:20 a.m. the group gets back together for a group cool-down before heading to the showers and their challenges for the day.

Mark Verratti, graduate student and assistant strength and conditioning coach, watches program participant Felix Lukezic, professor of plant pathology, work out on an exercise bicycle. (Photo: Greg Grieco)

Who would get up to exercise at 6:30 a.m.? At least 30 people do and their reasons are varied. **Bill Campbell,** *Intercom* editor, complements his noontime run with morning weight training sessions. **Bonnie Ortiz,** affirmative action officer, joined Wellness Wakeup because it doesn't interfere with other commitments.

Mary Jo Cook, assistant to regional director for Cooperative Extension, has been with the program for a year-and-a-half and finds that, with Wellness Wakeup, she doesn't have to worry about when she can exercise during the day. "It's over and done with by 7:30 a.m."

Felix Lukezic, professor of plant pathology and another program veteran, agrees that Wellness Wakeup fits best in his schedule and also adds that it's the coolest time of day to exercise, an important factor during the summer months.

It's not only the exercise that attracts participants. Wellness Wake-Up also provides an opportunity to meet fun people, to receive personal attention from instructors and staff and to use the best equipment, according to **Anne Cornell,** program information analyst in the college of Agricultural Sciences. Mr. Campbell concurs that the people he has gotten to know is one of the additional benefits of the program.

Chip Harrison, American College of Sports Medicine certified health/fitness instructor, supervises the daily sessions. He has seen the program grow in size and become a close knit group involved with each other as friends. He sees the participants providing a support group for each other, helping each other maintain motivation throughout the year.

In addition to exercising, participants also may choose to participate in fitness assessment sessions. During these sessions, a submaximal bicycle test is administered to estimate cardiovascular ("aerobic") fitness level; skinfold measurements are taken to estimate body composition; hamstring/lower back flexibility is measured, and hand-grip strength is assessed.

Each participant receives individual feedback about his/her current fitness status and help from the staff in setting up an appropriate exercise program. Follow-up assessments are made on a regular basis to chart progress and adjust the program as needed. Participants also receive information on other aspects of wellness such as weight management, stress management, and cholesterol education.

The staff and participants would like to see more people take advantage of the program. New participants can join at any time throughout the semester. Costs are $60 for three months, $110 for six months, or $200 per year. To register or to obtain more information, call the Office of Faculty/Staff Health Promotion at 865-3085 or the Recreational Sports Office at 865-5401.

—Patti Kenney

Professor develops 'living textbook' for business courses

Combining the power of computer hardware with a multi-media array of presentational gear, a University professor is developing a unique "living textbook" that could revolutionize business courses in colleges and universities across the country.

The new "textbook" can respond to the questions of students, incorporate the latest management research as quickly as it is published and capitalize almost instantaneously on the immediacy of the nightly TV news.

"You can think of it as a book," said **Arnold F. Shapiro,** a faculty member in The Smeal College of Business Administration. "But you don't have to go from one page to the next. You can jump ahead or even turn to magazine excerpts if you want, because it's interactive, this system allows you to stretch ideas to fit the interests of your students. It's also flexible enough to offer teachers alternative approaches when students are stumped by difficult concepts.

"It makes the classroom a very dynamic place. Your lessons are never static," added Dr. Shapiro who is holder of the Robert G. Schwartz University Endowed Fellowship.

At the core of his hardware setup is a personal computer with "windowing" capability, a software construction program and mathematics software.

The computer's memory is loaded with a course outline, lesson plans, concepts, definitions and quizzes that might be carried to class in a faculty member's briefcase.

These basics are then infused with color and life through the use of computer graphics and animation. More illustrative power is added by splicing in such tools as video- or audiocassette players. A laser disk player puts more than 54,000 images at the disposal of an instructor to make points even more vividly.

"You can show a fire, its economic consequences, then draw ideas from the students," Dr. Shapiro said. "Together, you can walk through the subject matter."

Ideally, the system should be housed in a computerized classroom where students can use their keyboards to interact with their teacher or can examine for the results of plugging different values in an equation on investment options on their own.

But the system works equally well with a computer projection plate and an overhead projector.

Dr. Shapiro's project thus far has consumed some 4,000 hours work, much of which was spent creating and illustrating the important ideas in pilot courses on pensions and insurance. Learning how to piece together various bits of ever-evolving technology also took time.

But even in its infancy, the project has had considerable educational benefit for more than a dozen graduate and undergraduate students who learned while they developed and inputed information and simulations.

Supported by the William Elliott Chair in Insurance at Penn State and IBM's Institute for Academic Technology, Dr. Shapiro's work already has been recognized by the American Risk and Insurance Association with its Innovation in Instruction Award and was cited by *"PC Today."*

Most importantly, it also has faired well with the toughest critics — students. Test portions of two courses received good marks from section participants last spring at the University Park Campus.

"This is the way the world is going," said Dr. Shapiro. "I see this as the next step for microcomputers."

Intent on completing his current project and on encouraging fellow business faculty members with similar efforts in other fields, he envisions for the future an interactive electronic encyclopedia of insurance — essentially, an all-inclusive computer resource that could be accessed in business or academic libraries.

Although it is a project requiring significant support and informational resources, Dr. Shapiro believes the benefits would be equally as great.

– Charles DuBois

Arnold F. Shapiro

Focus on the Arts

Dance Theatre

Pennsylvania Dance Theatre will unveil four new dance works, including two world premieres, and honor its past Board presidents in the company's 13th annual winter concert at 8 p.m. Saturday, Feb. 22, in the Playhouse Theatre at University Park.

PENNSYLVANIA DANCE THEATRE

In the context of the concert's theme, "Windows," Pennsylvania Dance Theatre will present five works offering dramatic and endearing perspectives on the dynamics of human relationship.

Featured will be the four new dances, including three works brought to PDT in 1991 by internationally acclaimed choreographers, and one of the company's most popular works from last season.

The Dance Theatre also will honor the six former presidents of its Board of Trustees with this performance. They are **Helen Hungerford, Brig. Gen. Richard Eaton, Edward Keller, Paulette Papadopoulous, Christopher S. Kirkpatrick,** and **Susan Seidler Feidelberg.**

The evening's festivities will include a reception for all audience members and the dancers at the Nittany Lion Inn following the performance.

Tickets are $15 for regular admission, $10 for students. For reservations, call the Eisenhower Box Office at 863-0255.

Odyssey on WPSU

Shadow Catcher by Charles Fergus, a 1973 graduate of Penn State's Writing Option, is the topic of the next episode of Odyssey Through Literature.

A novel, *Shadow Catcher* blurs history and fiction. In the book, a romantic young Easterner goes along as stenographer on an expedition through the American West in 1913, a journey by private rail car to photograph the "Vanishing Race."

He is not content to take notes. While the professional photographers lug around their huge box cameras and set up formal portraits of Native American Indian "types," he hides a spy camera under this vest, one vest button its lens. "He comes to feel that it is a powerful instrument," Mr. Fergus says. "The camera intensified his conscience."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Symphonic Wind Ensemble

Dan Armstrong, associate professor of music, will be the featured performer of this semester's opening concert by the Penn State Symphonic Wind Ensemble at 8 p.m. Wednesday, Feb. 26, in the Recital Hall of the Music Building at University Park.

Professor Armstrong, director of the Penn State Percussion Ensemble, is a member of and has been guest soloist with the Altoona Symphony, and this spring will perform with the Hershey Symphony.

Also featured on the program will be an opening half of English music for band. To begin the concert, the Symphonic Wind Ensemble will perform Gordon Jacob's setting of tunes by the Renaissance composer William Byrd, "The William Byrd Suite."

Percy Grainger's "Lincolnshire Posey," a collection of settings of English folk songs, will conclude the first half. The final piece on the concert will be Robert Russell Bennett's "Suite of Old American Dances." Smith Toulson, professor in the School of Music, will conduct the concert.

Visiting lecturer

Truman T. Lowe, professor of art at the University of Wisconsin at Madison, will present the lecture, "Frybread and Other Influences: A Woodland Perspective," at 8 p.m. Tuesday, March 3, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Professor Lowe, a member of the Winnebago nation, received his master of fine arts degree in sculpture from the University of Wisconsin at Madison. His work has been in solo and group exhibitions at the Tula Foundation Gallery in Atlanta, Ga., the American Indian Community House Gallery in New York City, the Heard Museum in Phoenix, Ariz. and the Sacred Circle Gallery in Seattle, Wash.

Mozart Orchestra

The Penn State Mozart Orchestra, under the direction of Douglas Meyer, will perform in concert at 8 p.m. Wednesday, March 4, in the School of Music Recital Hall at University Park.

The program will include Haydn's Symphony No. 92 in G Major, the "Oxford Symphony;" Copland's "Quiet City," and two pieces from "Billy the Kid," "Prairie Night" and "Celebration Dance."

Students from Penn State's jazz ensembles will join the Mozart Orchestra to perform Gunther Schuller's "Journey into Jazz." First performed at the First International Jazz Festival in Washington, D.C., the piece tells the story of Edwin Jackson, a boy who learns about jazz. The narration, by Nat Hentoff, will be read by Dan Yoder, director of jazz studies at Penn State.

The concert is free to the public.

Hi-Lo's to perform

The Hi-Lo's, a group of 12 singers from Penn State's Glee Club, will perform in concert at 12:10 p.m. Thursday, March 5, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include spirituals, folksongs, glees and madrigals.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Photography exhibit

Photography by Gene Taylor will be on display through Feb. 29 in Pattee Library's East Corridor Gallery. The exhibition includes images from New England to the Smoky Mountains and the Southwest.

Mr. Taylor, a resident of Woodstock, Va., decided to devote himself to photography in 1977 and leave his position with the government. He combines his knowledge in psychology with artistic representation.

"I'm fascinated by the psychology of perception – how we see it, what we see, as well as that we don't see, the emotional effects of light and color," he says. "The camera is a great tool for enhancing perception, increasing the joy of seeing."

The arts on Channel 3

Live From Lincoln Center, airing at 8 p.m. Monday, Feb. 24, on WPSX-TV, celebrates its milestone 100th telecast with an all new "Pavarotti Plus" Gala. The great tenor Luciano Pavarotti will be joined in a concert of opera arias, duets and ensembles by sopranos Kallen Esperian, Raina Kabaivanska and Francesca Pedaci; mezzo-soprano Florence Quivar; baritone Sherrill Milnes and bass Ferruccio Furlanetto.

For more than a decade, American Playhouse has offered an eclectic menu of dramatic and comedic programs focusing on life in America. But none has featured the acerbic wit and style of "The Feud," a film adaptation of Thomas Berger's 1983 Pulitzer-nominated comic masterpiece.

Co-starring Rene Auberjonois and David Strathairn, "The Feud" will premiere at 9 p.m. Wednesday, Feb. 26. Set in the 1950s somewhere in middle America, "The Feud" offers an offbeat comic view of small town life in an America that may or may not have really existed.

Arts at . . .

Hazleton Campus

The second annual "March is Poetry Month in Pennsylvania" will be celebrated at the Penn State Hazleton Campus with a reading by three Pennsylvania poets. The readings will take place in the Amphitheater of the Evelyn Graham Academic Building at 7:30 p.m. Wednesday, March 25.

The readings will feature the work of Maria Jacketti, formerly of the Hazleton area, Nancy Deisroth of Hazleton, and Karen Blomain, who lives in Wilkes-Barre and teaches at Kutztown University.

Obituaries

Walter L. Ferree, professor emeritus of American history, died Jan. 17 at the age of 82.

A native of the State College area, he received his B.A. and M.A. degrees in history from Penn State, and his Ph.D. from the University of Pennsylvania.

After 16 years as a high school teacher in the Ridley Park School District, he began teaching at Penn State's freshman center at Swarthmore in 1949. In 1951, he went to the newly established Ogontz Campus and taught there until his retirement in 1975.

Dr. Ferree was best known for collecting and editing the papers of U.S. President Martin Van Vuren, a project he initiated in 1968. He was the author of *Barnburners and Hunkers: The New York Democracy, 1846-1850*, published by the University of Kentucky Press.

Harold R. Dubbs, laboratory technician, College of Earth and Mineral Sciences, from March 17, 1952, until his retirment July 1, 1969, died Feb. 2 at age of 86.

Leonard R. Resides, vending machine maintenance mechanic, Housing and Food Services, from Sept. 1, 1952, until Sept. 10, 1980, died Jan. 27 at the age of 73.

University Park Calendar

February 20 - March 1

Special Events

Thursday, February 20
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Tuba-Euphonium Ensemble.
Penn State Chapter of Educational Office Personnel, meeting, 12:10-12:50 p.m., 256 Hammond, Stavely Room. John Wolanski, Variable Annuity Life Insurance Company (VALIC), will conduct a question-and-answer session.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Betty Carter.

Friday, February 21
Geo. Coffee Hour, 4 p.m., 319 Walker. Susan Evans on "Paradigm Change Lust: How We Survived the Making of an Archaeology Telecourse." Refreshments, 3:30 p.m.
Shaver's Creek, 7-9 p.m., Family Owl Prowl. Call 863-2000.
School of Music, 7:30 p.m., Old Main. "Celebration of Love," Chamber Singers. Tickets, 863-2142. Also Feb. 22.
■ GSA, International Coffeehouse, 7:30 p.m., 102 Kern.
URTC, 8 p.m., Pavilion Theatre. "Buried Child," through Feb. 29.

Saturday, February 22
Minority Faculty Development workshop, "External Funding and Proposal Development," 9 a.m.-noon, 114 Kern. Baiba Briedis, speaker. Reservations, Leah Witzig, 863-1663 by Feb. 19.
Shaver's Creek, 10 a.m.-3 p.m., Maple Sugar Volunteer Tapping. Call 863-2000.
School of Music, 2:30 p.m., Recital Hall. Michael Wang, double bass.
'Windows:' new dances and tribute to mark Pennsylvania Dance Theatre's 13th season, 8 p.m., Playhouse Theatre.

Sunday, February 23
■ International Fair, 11:30 a.m.-4:30 p.m., Hetzel Union Bldg.
Shaver's Creek, 2-3:30 p.m., The Magnificent Monarch. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., In A Lonely Place (1950); 8:45 p.m., Greed (1924); Carnegie Cinema. Free.

Monday, February 24
Kern Graduate Commons, noontime concert, "The Taming of the Shrew."
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Oksana Zabuzhko, visiting Woskob Fellow in the Humanities, on "Poetry in Ukraine."
School of Music, 8 p.m., Recital Hall, Music Bldg. Penn State Tuba-Euphonium Ensemble and Trombone Choir.

Tuesday, February 25
Professional Women at Penn State, Brown Bag Lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Open agenda meeting, "What's On Your Mind?".
■ Art History Lecture Series, 8 p.m., 112 Walker. Lisa Salay Miller on "Carpeaux's 'America': Art and Sculptural Politics."

Wednesday, February 26
Kern Graduate Commons, noontime concert, "The Taming of the Shrew."
Center for Women Students, Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Boucke. Myrna Munchus-Bullock, on "The Experience of Black Women in the Field of Dance."
Science Writers Lunchtime Roundtable Series, 11:45 a.m., 313 Kern. Carl Mitcham on "The STS Movement in Education."
Six Feminist Scholars Speaker Series/Center for the Study of Higher Education Lecture Series, 8 p.m., HUB Assembly Room. Elizabeth K. Minnich on "Transforming Knowledge: Excellence vs. Equity."
School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

Thursday, February 27
■ International Lecture Series, 9:30 a.m.-11 p.m., 222 Boucke. Frederick Gaige on "Nepal: Transition from Monarchy to Democracy."
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Percussion Students of Dan Armstrong.
Contemporary Dance Company, spring concert, 8 p.m., Playhouse Theatre. Also Feb. 28. Tickets, Eisenhower Aud. Ticket Center.
■ Lecture Series of the Dept. of Spanish, Italian, and Portuguese, 8 p.m., 112 Walker. Nelson H. Vieira on "Exploration and Empire: The Enterprise of Brazil and the Crypto-Jews of Portugal."

Friday, February 28
Geog. Coffee Hour, 4 p.m., 319 Walker. Santa Barrazza on "Contemporary Expressions of Colonial Miracle Paintings—Chicano Retablos." Refreshments, 3:30 p.m.

Saturday, February 29
Center for the Performing Arts, 3 and 8 p.m., Eisenhower Aud. Barnum.
The Promotion and Tenure Roundtable, 9 a.m.-noon, 114 Kern. Reservations, Leah Witzig, 863-1663 by Feb. 26.

Sunday, March 1
Carnegie Hall Film Series, 7 p.m., The Nasty Girl (1990); 8:45 p.m., Notorious (1946), Carnegie Cinema. Free

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays

Conferences

Continuing Education
Keller Building
Feb. 20. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
Feb. 21-22. Softball Developmental Clinic. Sue Rankin, chair; Kathy Karchner, coordinator.
Feb. 24-28. Basic Water Quality Management. David Long, chair; Eric Loop, coordinator.

Seminars

Thursday, February 20
Physics Colloquium, 3:30 p.m., 55 Osmond. David Nelson, Harvard, on "Flux Line Entanglement in Superconductors."
Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Evangelos Markatos, Univ. of Rochester, on "Using Cache (and Memory) Affinity in Scheduling for Shared-Memory Multiprocessors."
Geosciences Colloquium, 4 p.m., 26 Mineral Sciences. Charlie Meade. Refreshments, 341 Deike.
Biology, 4 p.m., 8 Mueller. Sarah Assmann, Harvard, on "Photons, Protons and Potassium Channels: Signal Transduction in Guard Cells."
■ History Colloquium, 4 p.m., Memorial Lounge, Eisenhower Chapel. Ambassador Victor Israelian, visiting Fulbright professor of Soviet and International Diplomacy, on "The Nazi-Soviet Pact Revisited in the Light of Soviet Historiography and on the Basis of Personal Recollections." Refreshments, 3:30 p.m.

Pennsylvania Dance Theatre will perform "A Hand of Bridge -- A Chamber Work," by choreographer Beth Corning, in "Windows: A Winter Concert," Feb. 22 at the Playhouse Theatre.

Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Fredric D. Wolinski, Indiana Univ. School of Medicine, on "The Risk of Nursing Home Placement and Subsequent Death."

Friday, February 21
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Charles Meade, Geophysical Lab, Wash., D.C., on "Structural Transformations in Amorphous Silicates at High Pressure."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. A.J. Francis, Brookhaven National Lab., on "Microbial Transformation of Radionuclides and Toxic Metals in Wastes."

Monday, February 24
Agricultural Engineering, 12:20-1 p.m., 239 Agricultural Engineering. Doug Hamilton on "Land Treatment of Petroleum Exploration Wastes Using Exchangeable Sodium as a Limiting Constituent."
■ Slavic Languages, 12:40-1:20 p.m., 101 Kern. Oksana Zabuzhko, Ukrainian Academy of Sciences, on "Current Conditions for Poetry in Ukraine."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Jon G. Riecke, Univ. of Pa., on "Proving Memory Management Invariants for a Language Based on Linear Logic."

Tuesday, February 25
Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center Aud. Keith P. Johnston, Univ. of Texas at Austin, on "Tuning of Surfactant and Polymer Solution With Compressed and Supercritical Fluids." Refreshments, 2:45 p.m.
Chemistry Colloquium, 3:30 p.m., 55 Osmond. David Galas on "The Human Genome Project—a Status Report."
Geosciences Colloquium, 4 p.m., 112 Walker. Tom Owen, Univ. of South Carolina, on "Lithospheric Structure of Tibet."
CAMP, 4 p.m., 339 Davey. Neil Zimmerman, AT&T and Cornell, on "Dynamics of Single Tunneling Detects in a Mesoscopic Metal."

Wednesday, February 26
Analytical Chemistry, 11:15 a.m., 55 Osmond. Frank Bright, SUNY, on "In Situ Studies of Super Critical Fluids Dynamics." Refreshments, 11 a.m.

Thursday, February 27
Physics Colloquium, 3:30 p.m., 55 Osmond. Gerald Smith on "Precision Spectroscopy of Charmed Quark States."
Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. Gisela Labouvie-Vief, Wayne State Univ., on "Self and Emotions in Adulthood: A Developmental View."

Friday, February 28
Physical Chemstry/Chemical Physics, 2:30 p.m., 55 Osmond. Charles Meade, Geophysical Lab., Wash., D.C., on "Structural Transformations in Amorphous Silicates at High Pressure."
Aerospace Engineering, Computational Fluid Dynamics, 2:30-3:20 p.m., 127 Sackett. V. Modi, Columbia Univ., on "Adjoint Operator Approach to Shape Design for Internal Incompressible Flows." Refreshments, 2:15 p.m., 233 Hammond.
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Gunalan, on "Behavior of a 2,4-D-degrading Bacterium Introduced into Soil: Its Survival and Activity."

Exhibits

Chambers Gallery
"Undergraduate Paintings and Sculpture," through Feb. 28.
Hetzel Union Art Galleries:
Formal Gallery:
■ Paintbrush Diplomacy: Children's Art from the Americas, through March 1.
Art Alley Cases:
■ Penn State's International Students art and artifacts, through March 15.
Art Alley Panels:
"Imagery of Personality." Anne Trevino, photographs, through March 15.
Kern Galleries
"Mountains," Thomas Smyth Jr., through March 17.
Pattee Library
Main Lobby:
"Penn State's Presidential Families," through Feb. 29.
Paul Robeson Cultural Center
Paintings and collages, Darrell Johnson, through Feb. 24.

■ **Reflects an international perspective**

IBM users should check for computer virus due to hit

On March 6, users of IBM or IBM-compatible microcomputers may

discover that their hard disks have been reformatted and all data and programs lost. If so, they will have fallen victim to the 'Michelangelo' computer virus.

Michelangelo is a virus programmed to quietly spread itself until March 6 (Michelangelo Boubbaroti's birthday) at which time it will activate and reformat all disk devices within its reach.

However, detection of Michelangelo on a computer disk before March 6 allows for its disabling and removal without any loss of programs or data. The University has obtained a site license for the anti-virus program F-Prot. This is an easy-to-use program capable of detecting and disabling over 1,000 known microcomputer viruses, including Michelangelo.

F-Prot may be obtained either from the Center for Academic Computing (CAC) Willard HelpDesk at 12 Willard Building (863-1035); the Management Services Administrative Computing Support Center at 116 Boucke Building (865-2056), or directly from VIRUS directory of the PCLIB software server on PSUVM.

Anyone suspecting that they have detected Michelangelo, or any other microcomputer virus, and desiring assistance in its disabling and removal should contact the Willard HelpDesk (faculty, academic staff or students) or the Administrative Computing Support Center (administrative staff).

The Office of Computer and Information Systems reminds members of the Penn State community that it is important to practice 'safe computing' to protect one's programs and data from accidental or intentional loss. Additional information regarding 'safe computing' may be obtained from the CAC Willard HelpDesk.

Higher education and related topics should be the focus

Continuing Education seeking research proposals

Penn State Continuing Education is soliciting proposals for grants to support research on continuing higher education and related topics.

Continuing Education has identified the following issues as 1992-93 research priorities: What motivates faculty members to participate in continuing education?; How do we meet faculty members' needs through continuing education?; In what ways can we strengthen the appeal of various modes of distance education?; What student advising and other support services are needed for distance learners?; How can distance education course materials be formatted for maximum effectiveness?' What types of faculty development are needed to prepare instructors to be strong distance educators?; What are the characteristics of a successful continuing education field staff administrator?; How can we identify and reach new target audiences?

A limited number of research awards will be made in the range of from $1,500 to $5,000 for a one-year period, from July 1, 1992, to June 30, 1993.

Applicants must be full-time faculty or staff members at the University. Those who receive awards will be required to prepare a three- to five-page report of the research supported by the award. The reports will be submitted to the Continuing Education Office of Research and External Relations for distribution to continuing education scholars and others within the University community.

Proposals should be three to five pages in length and include the following: a statement of research question to be addressed, including relevance to current Continuing Education priorities; an outline of proposed research procedures, a timeline outlining details for accomplishment of major tasks, not to exceed one year; a project budget; and a brief statement detailing the applicant's background and qualifications to undertake the project.

Deadline for submitting proposals is Wednesday, April 15. They should be sent to the Continuing Education Office of Research and External Relations, 210 Keller Building, University Park. Awards will be announced in June. For more information, call Donna S. Queeney at (814) 863-7752.

Search committee formed

Director of legislative affairs post to be filled

A search committee has been appointed to identify candidates for the position of director of legislative affairs in the Office of Governmental Affairs.

L. R. Hettche, director of the Applied Research Laboratory, is committee chair. Members are **Nancy Cline**, dean of University Libraries; **Rodney Reed**, dean of the College of Education, and **John Romano**, campus executive officer, Penn State York Campus.

The director of legislative affairs reports to the assistant to the president for governmental affairs and serves as a liaison between the University and the Federal Government with primary emphasis on Capitol Hill.

The individual should have the ability to determine the potential opportunities and/or impact of federal activities for the University; must interact with elected and appointed officials and their staff as well as with other university representatives in Washington, D.C.; must be able to represent the University on a broad range of issues, as well as monitor, interpret, and analyze federal legislative initiatives for University administrative and academic officials.

Knowledge of the federal legislative process is desirable and working knowledge of the University is essential. The position involves regular travel to Washington, D.C. A bachelor's degree is required. Excellent oral and written communication abilities are necessary. A major emphasis will be placed on excellent interpersonal skills.

Letters of application and accompanying resume should be sent to Dr. L. R. Hettche, 224 Applied Sciences Building, no later than March 6.

Faculty/Staff Alert

Alternative to express mail

The U.S. Postal Service is offering a viable alternative to Express Mail that is called PRIORITY MAIL. The Postal Service advertises that the service provides first class, two-day service to any address in the United States.

The cost of the service is $2.90 up to two pounds, $4.10 to three pounds, with a limit of (70) seventy pounds per package. A letter that may weigh only a few ounces can be sent as PRIORITY MAIL for the minimum charge of $2.90, and it will receive the two-day service. There are no guarantees with the service commitment and no signature is required for delivery.

To receive this service, one must clearly mark the letter or package for PRIORITY MAIL. PRIORITY MAIL envelopes and labels are available from Mail Services to aid in the identification of this mail. Please call Mail Services at 865-9171 for more information, rates, and supplies.

Awards

Staff members honored for their contributions

Fifteen staff members recently were honored for their outstanding contributions, efforts and dedication. These staff members aided and supported faculty and students in acquiring financing, executing the research, and administering the diverse activities that make up the University's scholarship and research efforts.

In citing these contributions, Charles **Hosfer**, senior vice president for research and dean of the Graduate School, said "Penn State has moved into the ranks of the foremost research universities in the world. One of the reasons for this is because of our dedicated and talented staff."

Special citations and cash awards went to Judy **McCormick**, coordinator for contracts and proposals in the College of Agricultural Sciences, **Brenda Wagner**, administrative aide in the College of Engineering, **Greta O'Toole**, coordinator, Research and Administrative Services, in the Institute for Policy Research and Evaluation, and **Richard Koontz**, former supervisor, Systems Assembly and Fabrication, in the Applied Research Lab, who retired in January.

The awards presentation is an annual event and candidates for the awards are nominated by colleges and Intercollege Research Programs.

Judy McCormick

Brenda Wagner

Greta O'Toole

Altoona Campus

Assistant professor of English receives endowment

Dinty W. Moore, assistant professor of English at the Penn State Altoona Campus, has been awarded a 1992 National Endowment for the Arts Literature Fellowship.

According to the National Endowment, a federal agency, the awards "are designed to allow individual creative artists of excellence or promise to devote themselves more fully to their writing."

Dr. Moore, who has been at the Altoona Campus since August 1990, has published more than a dozen short stories in journals such as *The Iowa Review*, *The Southern Review*, *South Carolina Review*, and *Writer's Forum*. His story *"White Birds"* was recently honored with a Special Mention in The Pushcart Prize 1990-91: Best of the Small Presses.

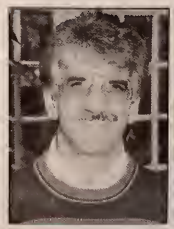
ARL work recognized by Chief of Naval Research

The Chief of Naval Research has honored the Applied Research Laboratory for its outstanding contributions to the Navy's Exploratory Development Program. The citation recognizes major advancements in submarine torpedo defense technology.

Don Kerr, senior research associate in the Program Management Office; **Howard Miska**, research engineer in the Systems Analysis and Simulation Department, and **Floyd Reeser**, senior research associate in the Guidance and Control Department, have been selected to receive the Chief of Naval Research Certificate of Commendation in recognition of significant accomplishment in the Navy's FY90 program. They were cited for major advances in submarine torpedo defense technology, which has provided the basis for a wider range of defense options and increased submarine survivability.

The Applied Research Laboratory is a Navy-sponsored research facility established in 1945 to advance the Navy's undersea technology base through research and development.

25-year award recipients



Observing 25 years of service at the Penn State Ogontz Campus are, from left, Barry Goluboff, assistant professor of mathematics; Claire Hirshfield, professor of history; David Milby, associate professor of art; Lillian Ross, secretary, director of Continuing Education, and Lita Linzer Schwartz, professor of educational psychology.

Partings

Assistant director of Career Development brings 29-year career to close

Dante V. Scalzi, assistant director of Career Development and Placement

Dante V. Scalzi

Services for Education and Alumni Career Services, has retired after 29 years service.

He also was assistant professor in the College of Education, where he has taught classes in Latin-American education, higher education, international student personnel administration and career development for educators. He served on the Committee on International Programs and was vice chairman of the committee and chairman of the International Lecture Series in 1973-74.

Dr. Scalzi joined the University in 1960 as coordinator of the Bilingual Latin-American Education Project and was named director of the International Center in 1964. In 1974 he became director of the Learning Support Center and was appointed to his present position in 1978. He also was a Spanish and social studies teacher for the Central Bucks High School from 1955 to 1960.

He received his bachelor's degree in romance languages and music from Gettysburg College in 1952, his master's degree in educational administration and counseling from Lehigh University in 1960 and his doctorate in education from Penn State in higher education and Latin American Studies in 1964.

His wife, Jan Scalzi, administrative aide for International Programs in the College of Agricultural Sciences, also has retired from the University. Their daughter, Maria, is a student in education at Penn State and their son, Michael, also attended Penn State.

Employees end service to University

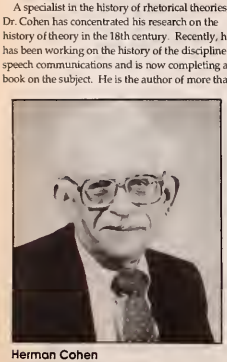
Betty J. Blair, nurse clinician at Hershey, from Oct. 14, 1970, until Jan. 1.
Joseph E. McCusker, maintenance worker, utility at McKeesport Campus, from Sept. 26, 1979, until Feb. 29.
Mary M. Nevenglosky, nutrition advisor, Agriculture, from July 1, 1977, until Jan. 1.
John R. Stedina, group leader, maintenance worker utility at Worthington-Scranton Campus, from April 14, 1975, until Jan. 1.
Laurie M. Tanzer, outpatient staff nurse at Hershey, from July 22, 1980, until Dec. 27.

After 21 years

Speech communication professor retires with emeritus status

Herman Cohen, professor of speech communication, has retired with emeritus status after 21 years service.

A specialist in the history of rhetorical theories, Dr. Cohen has concentrated his research on the history of theory in the 18th century. Recently, he has been working on the history of the discipline of speech communications and is now completing a book on the subject. He is the author of more than 30 articles and book chapters and co-author of *Fundamentals of Speech: The Theory and Practice of Oral Communication.*



Herman Cohen

Dr. Cohen has served as president and member of the executive committee of the Speech Communication Association as well as chair of several of its committees. An associate editor of both *Communication Quarterly* and *Communication Education,* he has been an editor for *Philosophy and Rhetoric,* the *Quarterly Journal of Speech,* the *Western Journal of Speech Communication* and the *Speech Communication Association of Pennsylvania Annual.*

He joined the University in 1970 as professor and head of the Department of Speech Communication and served as head until 1975 when he returned to teaching and research. Among his honors are the Carroll Arnold Distinguished Service Award in 1984 and the Speaker of the Year Award in 1975 from the Speech Communication Association of Pennsylvania and the Distinguished Award from Delta Sigma Rho and Tau Kappa Alpha in 1981.

Dr. Cohen received his bachelor's degree in 1948, his master's degree in 1949 and his doctorate in 1954, all in speech from the University of Iowa.

He and his wife, Marlee, have two sons. In addition to completing his book, he plans to continue his historical investigations, travel and to work on his drawings.

Assistant professor at Hazleton leaves after 27 years

George Caliva, assistant professor of engineering at the Penn State Hazleton Campus, has retired after 27 years service.

He joined the University in 1964 as an engineering instructor and his teaching at the campus centered around the electrical engineering technology degree. During the past 27 years, he has been involved in the evolution of the EET program and, with his colleagues at the Hazleton Campus, was successful in the acquisition of thousands of dollars in grants to provide equipment for those programs.

During his tenure with Penn State Hazleton, Professor Caliva spent many summers as an academic counselor for the Freshman Testing and Counseling Program. He also served on the campus planning committee, the Kostos Classroom Building dedication committee and the library committee. For several years, he was chairman of the community relations committee of the Hazleton Campus Faculty General Assembly.

George Caliva

He holds a B.S. degree in electrical engineering from Penn State, and has done graduate work in electrical engineering, computers and mathematics at Lehigh University, Villanova University, and at the Brooklyn Polytechnic Institute.

Professor Caliva and his wife, Dorothea, are the parents of two daughters, both of whom hold degrees in electrical engineering from Penn State.

Focus on Research

Entomologists study a growing pest

Tree defenses do little to stop gypsy moth spread

Entomologist Jock Schultz assesses earlier damage caused by the destructive insects that feed on a variety of trees, but favor oaks. (Photo by Greg Grieco)

In their effort to fight back against the relentless annual attack of the gypsy moth, trees may actually be aiding the survival of the insect, according to a University scientist.

Jack C. Schultz, a professor of entomology, said trees under siege release noxious chemicals into their foliage, that at first glance may appear to help fend off the destructive caterpillar that in the past has defoliated as many as 13 million acres in seven Northeast states and is quickly making its way West. These defensive substances, mainly phenols, stunt caterpillar growth and their reproduction capabilities by interfering with the larvae's ability to digest food. They also make each egg smaller, which reduces the growth of the next year's caterpillars.

Yet a closer look reveals that these same tree defenses also protect the gypsy moth from contracting a virus known to kill large populations of the pest.

Nucleopolyhedrosis virus, or wilt disease as it is commonly known, is a natural enemy of the caterpillar found on tree leaves. After being digested by a feeding caterpillar, the pathogen usually causes the young insect body to collapse in an oozing mass.

"Tannins, or the phenols found in leaves, alter the activity of the proteins encapsulating the virus," Dr. Schultz explained. "We believe the virus is ineffective because the tannins interfere with its ability to recognize the gypsy moth as the correct host and infect it."

Through research, Dr. Schultz and NATO Fellow **Mark Hunter** have determined that the more defenses produced by a tree in the form of noxious tannins, the more immunity from the virus the feeding caterpillar obtains. Caterpillars feeding on tannin-rich leaves exhibit an increasingly high tolerance to the virus and eventually are no longer susceptible to the once-deadly disease.

"The gypsy moth seems to be a chemical specialist. The benefits of ingesting tannins as a viral protectant appear to outweigh the costs of lower reproduction numbers," Dr. Schultz said.

In fact, gypsy moth caterpillars are known to favor oak leaves over other sources of food, even though oaks contain vast concentrations of larvae-fighting tannins. A gypsy moth caterpillar feeding on aspen leaves, which produce small amounts of tannin, can grow to a much larger size but that same insect is also 10 to 20 times more likely to die of wilt disease.

"Although the gypsy moth eats more than 450 species of trees worldwide, the one characteristic that all these trees share is that they have only one defense against insects, and that is to produce tannins or tannin relatives," he said.

Dr. Schultz and a team of researchers are currently investigating which tannins are attaching themselves to the virus, causing it to be ineffective.

Heidi M. Appel, a research assistant, has isolated an enzyme in the caterpillar gut responsible for altering the structure of tannins, making leaves more digestible and the caterpillar immune to the virus. Dr. Appel believes the enzyme can be "shut off" through chemicals in a redesigned spray formulation that will allow the virus to continue its deadly work.

"Outbreaks of the insect are only exacerbated by the tree defenses. This explains why the virus that has been developed as a pesticide is not working as well as it might."

-- Lisa M. Rosellini

The gypsy moth eats more than 450 species of trees

The female gypsy moth
Illustration by Chris Jung, Department of Entomology

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. **Thursday, February 27. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status

■ **02227, Construction Cost Specialist, Office of Physical Plant, University Park Campus** — Responsible to the director of project management for the control and cost management of project contract budgets to include monitoring project expenditures, analyzing estimates, reviewing payments, managing cash flow, etc. Provide administrative support as directed. Supervise assigned support clerical staff. Requires bachelor's degree, or equivalent, with two years of effective experience in the field of contract cost control and estimating. STAFF GRAOE 6.

■ **02228, Facility Project Manager, Office of Physical Plant, University Park Campus** — Responsible to the director, Facility Design and Support Services, for the overall project development and management functions at various campus locations for University renovations, alterations and major maintenance projects. Extensive travel is required to various Penn State locations. Requires bachelor's degree, or equivalent, in architectural engineering, architecture or related field with four to five years of effective experience in project management functions. Registration as an architect preferred. STAFF GRAOE 8.

■ **02229, Administrative Assistant, Senior Vice President for Research and Dean of the Graduate School, Senior Vice President and Dean's Office, University Park Campus** — Responsible to the senior vice president for Research and Dean of the Graduate School for the administrative activities involved in the Office of the Senior Vice President and Dean, to include preparing/processing confidential, budget, and payroll related documents; handling creative writing assignments. Requires bachelor's degree, or equivalent, plus one to two years of effective experience within an administrative office. Computer and budget experience required. Excellent communication skills (oral and written), interpersonal skills, and strong writing skills required. STAFF GRAOE 6.

■ **02230, Public Information and Media Relations Specialist, Shenango Campus** — Responsible to the campus executive officer for organizing and conducting an effective and comprehensive public information and media relations program at the campus. Requires bachelor's degree, or equivalent, in journalism, English, communications, plus one to two years of successful experience in newspaper and/or journalism, writing, or public relations. Requires a high level of skill in oral and written communications. Experience in volunteer relations and Desktop publishing desirable. This is a fixed-term position funded through December 31, 1992. STAFF GRAOE 6.

■ **02231, Programmer/Analyst C, Management and Systems Engineering, Vice President for Business and Operations, University Park Campus** — Responsible to a senior staff member to apply structured design and programming techniques to develop and modify programs for business applications. Requires bachelor's degree, or equivalent, in a computer related field and six to nine months of effective experience in computer programming and systems design. Programming experience on MSOOS base microcomputers required. Experience with Windows, Btrieve (database manager), SQL, Visual Basic C++ and/or Object Vision a definite plus. This is a fixed-term position funded for 6 months beyond date of hire, with high probability of re-funding through June 30, 1993. STAFF GRAOE 5.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **February 27.**

■ **10129, Grants and Contracts Officer, Department of Grants and Contracts** — Responsible to the director for meeting the requirements of the various federal agencies with respect to the negotiation of contracts, subcontracts, and grants, and to assist with proposal, analyses, reviews, and recommendations as to the acceptance of contracts and grants. Requires a bachelor's degree in business administration or a scientific field plus 4-5 years of effective experience in technical writing and/or dealing with contracts and proposals. STAFF EXEMPT, GRAOE 8.

■ **10205, Ophthalmic Orthoptist-Technologist, Nursing Services, Outpatient Department** — Responsible to the chief, Division of Ophthalmology, and the nurse manager for the performance of complex and various ophthalmic tests and evaluations. Requires an associate degree or equivalency plus completion of a recognized program in orthoptics and certification by JCAHPO and the American Orthoptic Council plus 9-12 months of effective experience. STAFF EXEMPT, GRAOE 6.

■ **10774, Clinical Head Nurse, Department of Nursing/Adult Rehab.** — Responsible to the nursing manager and/or the assistant director of nursing services for performing a variety of nursing duties, as well as providing leadership to nurse clinicians and other patient care personnel. Requires registered nurse with a current license to practice professional nursing in Pennsylvania; plus one to two years of effective nursing experience. Bachelor of science in nursing preferred. STAFF NONEXEMPT, GRAOE 5.

■ **10820, Clinical Head Nurse, Department of Nursing/Pediatric Intensive Care Unit** — Responsible to the nursing manager and/or the assistant director of nursing services for performing a variety of nursing duties, as well as providing leadership to nurse clinicians and other patient care personnel. Requires registered nurse with a current license to practice professional nursing in Pennsylvania; plus one to two years of effective nursing experience. Bachelor of science in nursing preferred. STAFF NONEXEMPT, GRAOE 5.

Two Commonwealth Campuses seek director of academic affairs

Applications and nominations are invited for the position of director of academic affairs at the Penn State Fayette Campus and the Penn State McKeesport Campus. The director of academic affairs reports to the campus executive officer and provides leadership to the faculty for all academic matters.

Responsibilities include faculty recruitment and evaluation, encouraging scholarship, and fostering service to the campus and community.

Qualifications include an earned doctorate, academic administrative experience, and a minimum of five years experience involving a combination of teaching, research and scholarship is required. Candidates should possess strong interpersonal and communication skills and the academic qualifications for a tenured, senior ranking faculty appointment at Penn State. Experience in academic planning, faculty recruitment and development, budgeting, grantsmanship and faculty governance is desirable.

Review of applications will begin March 1, and continue until the appointment is made. Send nominations or applications with resume and the names, addresses and telephone numbers of three references to: Jack P. Royer, associate dean, Commonwealth Educational System, 111 Old Main, Box CHE, University Park, 16802.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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CIC membership benefits detailed to Faculty Senate

Penn State's involvement in the Committee on Institutional Cooperation (CIC) is enabling the University's leadership to exchange ideas with peers from other research institutions, and provides access to a variety of voluntary cooperative programs that serve students, faculty, and staff.

In the February Faculty Senate meeting, President Thomas, Provost John Brighton, and Associate Dean of the Graduate School Barbara Shannon, outlined many of the benefits the University receives as a member of the CIC.

The CIC, established in 1958, is an academic consortium of the eleven Big 10 universities and the University of Chicago. Its programs and activities encompass all aspects of university operation except intercollegiate athletics.

The Committee itself comprises the chief academic officers of the member institutions who meet several times each year to discuss mutual concerns and provide direction for CIC programs and initiatives. Provost Brighton is Penn State's representative to the CIC.

Among the issues addressed by CIC conferences, programs, fellowship opportunities, and publications are undergraduate education, minority participation in higher education, international education, administrative leadership, and faculty reward structures. The consortium also administers several shared resource programs, including interlibrary loans, a high-speed data network, and a visiting scholars program for graduate students.

In addition to such formal activities, more than 75 CIC peer or interest groups meet regularly to share information and perspectives.

"The reports I have gotten back from individuals participating in these meetings indicate that this type of exchange is helpful to them in their work at Penn State," Provost Brighton said. "These collegial relationships are among the greatest benefits of our participation in the CIC."

> "Involvement in the CIC allows us to exchange information, seek solutions, take collective action on issues and to complement and augment our programs." -- President Thomas

Penn State's membership in the CIC also provided an opportunity to join the Midwest Universities Consortium for International Activities (MUCIA). The University recently has joined MUCIA and currently is working through the details membership involves. MUCIA, established in 1964, is comprised of nine Big 10 universities with international development expertise. These include Illinois, Indiana, Iowa, Michigan State, Minnesota, Ohio State, Purdue, Wisconsin, and now, Penn State

"Involvement in the CIC allows us to exchange information, seek solutions, take collective action on issues and to complement and augment our programs," Dr. Thomas said. "Participation in MUCIA opens up avenues for faculty and staff to participate in international activities."

The Senate is expected to present the faculty perspective on the CIC at its March meeting.

In other business:

The Senate unanimously agreed to recommend that library facilities continue to be the No. 1 capital funding priority, and that by 1997 the University fund the libraries at the level of at least 2.5 percent of the general and restricted budget.

Currently, the libraries receive 2.2 percent of the University's more than $785 million general and restricted

See 'Senate' on Page 4.

Poultry Farms relocation

A construction worker oversees the drilling for the foundation for the Poultry Farms being relocated from below the Natatorium to an area near the intersection of University Drive North and Tower Road at University Park. (Photo: Greg Grieco)

Second annual Lesh Lecture scheduled at University Park

Members of the University community are invited to attend the second annual Lesh Lecture, part of a series of lectures on scientific and chemical information, to be held at 3:30 p.m. Monday, March 30, in the Assembly Room of the Nittany Lion Inn at University Park.

Featured speaker will be Herman Skolnik, a Penn State alumnus, who will discuss "The Evolution of Chemical Literature."

In his talk, Dr. Skolnik will describe in detail paradigms that led up to the cornucopia of chemical literature accessible to professional chemists today. He also will discuss the advent of the American Chemical Society's (ACS) Division of Chemical Information and the development of a subdiscipline of chemistry, chemical information science, that emerged in response to the size, growth, and complexity of chemical literature in the 20th century.

Dr. Skolnik holds a B.S. in chemical engineering from Penn State and an M.S. in analytical chemistry from the University of Pennsylvania. He earned a Ph.D. in physical organic chemistry, also from Penn.

After graduating from Penn State in 1937, he was a plant chemist and chemical engineer with the Roosevelt Oil Company in Michigan, and then worked for a short time at the Pennsylvania Highway Testing Lab as an analytical chemist.

From 1938 to 1942, he was employed part-time at Allied Chemical Company's Barrett Division while working on his master's degree. In 1942, he joined Hercules Inc. as a research chemist, and from 1952 until his retirement in 1979, he was research manager of Hercules' Technical Information Division.

See 'Lesh' on Page 4.

Focus on Diversity

Women of Color luncheon

Stanford University director to be keynote speaker

Sharon Parker, director of Stanford University's Office for Multicultural Development, will be the keynote speaker at the National Women of Color Day Luncheon, at noon Thursday, March 5, at the Nittany Lion Inn.

The annual luncheon, sponsored by the Central Pennsylvania Women of Color, celebrates its fifth year. Also, awards for professional services, humanitarian and leadership achievement will be presented.

Ms. Parker helped found the National Institute for Women of Color based in Washington, D.C., and currently serves on its board of directors. The institute serves to promote policies and programs which address the diverse and common needs of women of color. It is the only national body serving as an advocate for the inclusion of perspectives of women of color in policy-making at national, state and local levels.

Ms. Parker's 14-year career in public policy advocacy also included membership on other boards such as the Women's Legal Defense Fund, the National Committee on Responsive Philanthropy and the Steering Committee on Pay Equity. She also was assistant director of the National Commission on Working Women and executive director of the National Coalition Against Domestic Violence.

In her current position at Stanford, she is to initiate institutional change necessary to the productive and harmonious existence of a multi-racial and multi-ethnic community.

Her visit is co-sponsored by the Commission for Women and is part of the commission's speaker series.

The University community is invited and can obtain ticket information by calling **Beverly Ladrido** at 814-865-8366 or **Ann Shields** at 814-865-1878. Tickets must be purchased by March 2 and will not be available at the door.

Sharon Parker

Diversity Opportunities ❦ Calendar ❦

Through Feb. 29
Penn State Bookstore, daily, Bookstore Building. Black History Month display featuring books by African/Black American authors, books on African/Black American history, art, social issues, philosophy, photography, children's books and more.

Through Feb. 29
University Libraries, daily, Pattee Library African American Studies Room. Black History Month display titled, "African Roots Explore New Worlds: Pre-Columbus to the Space Age."

Thursday, Feb. 27
Black Graduate Students Association, 7 p.m., 101 Kern Graduate Commons. Presentation titled, "Perspectives on Black Families," by Harold E. Cheatham, professor of education.

Saturday, Feb. 29
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Workshop titled, "Promotion and Tenure Roundtable," by Harold E. Cheatham, professor of education. Attendance is limited to those who have participated in a previous promotion and tenure workshop. To make reservations, contact Ms. Leah Witzig at 863-1663.

African Student Association, 5:30 p.m., HUB Ballroom. Ninth Annual "A Touch of Africa" Dinner/Dance.

Monday, March 2
Penn State Beaver Campus, 7 p.m., Room 115-B, General Classroom Building. Film presentation titled, "The Color of Your Skin."

Tuesday, March 3
Professional Women's Group of the Faculty Club, noon to 1 p.m., Old Main Alumni Lounge. Brown Bag lunch meeting. For more information, contact, Kathleen Halflinger at 865-6481.

Department of Human Development and Family Studies, 8 p.m., HUB Assembly Room. Lecture/Slide presentation titled, "A Lesbian/Feminist Tour of Paris 1900-1991," by Karla Jay, of Pace University's department of English.

Wednesday, March, 4
Center for Women Students, noon to 1 p.m., 120 Boucke. Presentation titled, "Who Was That Schoolmarm? Recovering the Lives of American Teachers," by Marie Lindhorst, instructor of education and Ph.D. candidate in educational theory and policy.

Thursday, March 5
Central Pennsylvania Women of Color, noon, Nittany Lion Inn. National Women of Color Day luncheon. Speaker will be Sharon Parker, past president of National Women of Color Institute.

Commission for Women, 3 to 5 p.m., Nittany Lion Inn. Meeting with President Joab Thomas. For more information, contact Ann Ard at 865-1683.

Lectures set for National Women's History Month in March

The Center for Women Students will commemorate National Women's History Month throughout March with lectures that are open to the public.

- The Center for Women Students brown bag lunch series lectures meet at noon on Wednesdays in 120 Boucke and include:

-- March 4, "Who was that Schoolmarm? Recovering the Lives of American Teachers," Marie Lindhorst, instructor in education and Ph.D candidate in educational theory and policy.

-- March 25, "La Onda Visual de las Chicanas - The Political Visual Expression of the Chicanas," presented by Santa Barraza, assistant professor in the School of Visual Arts.

- The Contemporary Scholarship on Lesbian and Gay Lives lecture will be at 8 p.m. Tuesday, March 3, in the HUB assembly room. "A Lesbian/ Feminist Tour of Paris 1990-1991" will be presented by Karla Jay, Department of English at Pace University.

- A Workshop on Languages of Homophobia, facilitated by Grace M. Fala, Ph.D. candidate in speech communication, will be held at 3 p.m. Monday, March 23, in 120 Boucke.

Carpoolers

Lynn is looking for a carpooler from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Call her at 865-6713.

Carpool from Lewistown/Reedsville area to University Park. Work hours are 8 a.m. to 5 p.m. Call Kathy at 863-7517 or Robin at 863-3549.

Focus on Diversity

Arthur Fennell

Presentation on diversity in the 90s

News anchor to meet with students

Arthur Fennell, an anchor/reporter for CBS affiliate WCAU-TV in Philadelphia and regional vice president of the National Association of Black Journalists, will meet with Penn State journalism students Saturday, Feb. 29.

He will make a presentation titled, "Diversity: Key to Surviving the 90s," at 2 p.m. in the Carnegie Building Cinema. The program is sponsored by the Penn State student chapter of the National Association of Black Journalists.

Mr. Fennell joined WCAU-TV as a general assignment reporter in October 1990, and was named co-anchor of the 5:30 p.m. Newscast in Feb. 1991. In addition to anchoring, He continues to report for the 11 p.m. Newscast, along with hosting *Family Focus*, a Sunday morning talk show that deals with issues and concerns of the family.

A 1982 graduate of South Carolina State College, Mr. Fennell began his career as a weekend anchor/reporter at WBTW-TV in Florence, South Carolina. In 1983, he joined WCBD-TV in Charleston and in 1985 WSAV-TV in Savannah Ga. Before joining WCAU-TV in Philadelphia, He was an anchor and special assignment reporter at WAVY-TV in Portsmouth, Va.

Penn Staters

John W. Bagby, associate professor of business law, has been invited to participate in the Citizen Ambassador Program International Business Law Delegation to the Soviet Union and Czechoslovakia.

Bonnie Boyer, instructor of exercise and sports science at the Penn State Schuylkill Campus, has been named the Outstanding Young Fitness Leader in Pennsylvania by the Pennsylvania Jaycees for her contribution of voluntary service to the community through physical fitness and health; success in the field of fitness and health or in today's education system; and her demonstration of, through active participation, leadership in an athletic sport.

Peter R. Cavanagh, professor of locomotion studies, has been appointed secretary general of the International Society of Biomechanics.

Joseph L. Cavinato, associate professor of business logistics, has been selected for inclusion in "Who's Who in the World—1992."

Mukunda B. Das, professor of electrical engineering, presented a paper on "Optical Detectors and Millimeter-Wave Amplifiers: Structures for Integration and their Performance", at the conference on Emerging Optoelectronic Technology in Bangalore, India.

Mary Frank Fox, associate professor of sociology and women's studies, has been appointed associate editor of *Sex Roles*, an interdisciplinary journal on issues of sex and gender.

Martha T. Halsey, professor of Spanish, has been named the new editor of *Estreno: Cuadernos del teatro contemporaneo Espanol*, the only journal dedicated to post-civil-war Spanish drama. The journal, which has moved its business and editorial offices to Penn State, publishes texts of original plays by well-known dramatists, critical studies and reviews of play performances.

Roy H. Hammerstedt, professor of biochemistry, gave two talks, "Bioenergetic Balance of Bovine and Ovine Sperm" and "Use of Novel Polymers and Unique Containers to Hold Sperm Suspensions," at the International Symposium on Sperm Preservation and Encapsulation, Tropical Cattle Research Centre, Rockhampton, Queensland, Australia.

Sabih I. Hayek, distinguished professor of engineering science and mechanics, gave a series of lectures on structural acoustics at the National Defense Academy, Yokusha, Japan. He also presented a seminar on "Acoustical Imaging" in the Department of Mechanical Engineering at the Institute and a seminar titled "Nearfield Acoustic Holography" at the Nissan Engineering Research Center in Yokohama, Japan.

Austin J. Jaffe, holder of the Philip H. Sieg Professorship of Business Administration, has been named the 1992 second vice president and program chair of the American Real Estate and Urban Economics Association.

Austin J. Jaffe, holder of the Philip H. Sieg Professorship of Business Administration, presented a paper on "Contracting for Housing, Mortgage Default and Mortgage Foreclosure Moratoria" at the International Workshop on Housing Finance Systems in Vienna, Austria. He also gave a seminar on "Current Issues in Mortgage Contracting in the U.S." at the Centre for Housing Policy, University of York, in the United Kingdom.

Erdener Kaynak, professor of marketing, School of Business Administration, Penn State Harrisburg, has been appointed editor-in-chief of the *Journal of Euromarketing*. He also presented a paper, "Consumer Complaint Handling in an Advanced Developing Country: An Empirical Investigation" at the European International Business Association's 17th annual conference in Copenhagen, Denmark.

Patricia Barthalow Koch, associate professor of health education, has been elected Eastern Region president of the Society for the Scientific Study of Sex.

Shiriki Kumanyika, associate professor of nutritional epidemiology, has been appointed to the National Nutrition Monitoring Advisory Council. The role of the newly formed council will be to examine the nation's nutritional status.

Jeffrey A. Kurland, associate professor of anthropology, presented an invited lecture, titled "Parental Investment, Growth and Development among the Herero of Ngamiland, Botswana," to the Department of Anatomy and Human Biology at the University of Witswatersrand, Johannesburg, South Africa.

Jeffrey A. Kurland, associate professor of anthropology, and **Henry C. Harpending**, professor of anthropology and human development, have received a three-year National Science Foundation grant ($114,963) to study "Resources and Life Course Management Among Rural Pastoralists", namely, the Herero people of northwestern Botswana.

Mary Frances Picciano, professor of nutrition, has been elected president-elect of the International Society for Research on Human Milk and Lactation.

"The Great American Lawnscape: Yard Art," an exhibit by **Ann Marie Thigpen**, lecturer in English, is on display until March 22 at the University of Florida in Gainesville.

At Fayette Campus

Astrophysicist to give lecture

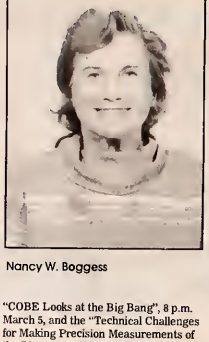
Nancy W. Boggess, astrophysicist at the NASA Goddard Space Flight Center, will visit the Penn State Fayette Campus March 5 and 6 as the Harlow Shapley Visiting Lecturer.

She will present a series of lectures on the use of the Cosmic Background Explorer satellite (COBE) to study the creation of the universe, otherwise known as "The Big Bang." According to the Big Bang theory, our universe was created in a vast explosion approximately 15 billion years ago.

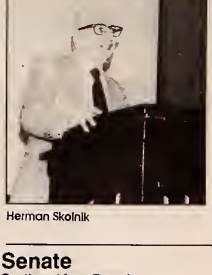
Dr. Boggess, a graduate of Wheaton College, earned a master's degree in astronomy at Wellesley College, and received her doctoral degree at the University of Michigan.

As a senior staff scientist at NASA headquarters, she was program scientist for the NASA Infrared SR&T and the Kuiper Airborne Astronomy programs. Currently, she is the deputy project scientist for the Cosmic Background Explorer satellite.

Her lecture schedule includes: "How the Cosmic Background Explorer (COBE) Came to Be", at noon March 5; "COBE Looks at the Big Bang", 8 p.m. March 5, and the "Technical Challenges for Making Precision Measurements of the Big Bang," noon, March 6.



Nancy W. Boggess



Herman Skolnik

Lesh Lecture

Continued from Page 1

Since 1959, Dr. Skolnik has been the editor of the Chemical Abstracts Terpene Chemistry Section and was the first editor of the ACS's *Journal of Chemical Information and Computer Sciences*. In addition, he has published more than 200 papers in over 20 scientific journals and is the author of four books.

Hosted by the University Libraries, the Lesh Lectures are made possible through the private support of Penn State alumna Ms. Dorothy Lesh. Following the lecture, a reception will be held in the Assembly Room.

Senate

Continued from Page 1

funds, according to a report from the Senate Committee on Libraries. Senator Gordon F. DeJong, Distinguished Professor of Sociology, questioned the inclusion of certain funds in the denominator of the equation. He explained that some funds, including those generated from certain research contracts, could not be transferred to the libraries.

The funding increase proposed by the Faculty Senate amounts to approximately $2.4 million, recommended to be evenly phased in over the next five years in annual increments of $480,000.

David M. Bressoud, chairman of the committee, said the library budget should reflect the cost of both research and the educational mission of Penn State. The University is still awaiting the release of $19.8 million in state funds approved in 1988 by the General Assembly for the construction of an addition to Pattee Library.

News in Brief

Libraries schedule

Libraries located on the University Park Campus will adhere to the following schedule during Spring Semester Break:

Pattee Library, the Architecture Library, Earth and Mineral Sciences Library, Engineering Library, Mathematics Library and Physical Sciences Library:

Friday, March 6, 7:45 a.m. to 5 p.m.; Saturday, March 7, 9 a.m. to 5 p.m.; Sunday, March 8, 1 to 5 p.m.; Monday, March 9, through Thursday, March 12, 8 a.m. to 10 p.m.; Friday, March 13, 8 a.m. to 5 p.m.; Saturday, March 14, 9 a.m. to 5 p.m.; Sunday, March 15, resume regular hours schedule.

Education Library:

Friday, March 6, 7:45 a.m. to 7 p.m.; Saturday, March 7, and Sunday, March 8, closed; Monday, March 9, through Friday, March 13, 8 a.m. to 5 p.m.; Saturday, March 14, closed; Sunday, March 15, resume regular hours schedule.

Pollock Library will be closed Saturday, March 7, through Saturday, March 14, and will resume 24-hour service beginning at noon Sunday, March 15.

Ogontz telephone switch

A new telephone switch installation and outside cable upgrade is under way at the Penn State Ogontz Campus. The new switch, a Northern Telecom Meridian 1 Communications System is being installed, replacing an AT&T Dimension 400.

This new switch provides many telephone features and, in addition, allows direct inward dialing (DID) service. Following is a list of new telephone numbers which will go into effect Feb. 27 for Penn State Ogontz:

Academic Affairs, 881- 7330; Admissions, 881-7600; Alumni Relations, University Relations and Development, 881-7376; Athletics, 881-7440; Bookstore, 881-7415; Budget and Financial Office, 881-7320; Bursar, 881-7324; Business Office, 881-7305; Campus Executive Office, 881-7315; Campus Information, 881-7300; Career Development and Placement, 881-7510; Computer Center, 881- 7461; Continuing Education, 881-7400; Continuing Education Evening Classes, 881-7389.

Educational Opportunity Center, 881-7380; Financial Aid, 881-7348; Food Services, 885- 9287; Freshman year Center, 881-7510; Health Services, 881- 7350; Library, 881-7424; Maintenance Operations, 881-7376; Ogontz Campus Fax, 881-7317; Police Services, 881-7422; Police Services Evening, 881-7575; Registration and Scheduling, 881- 7338; Student Activities and Student Union, 881-7507; Student Programs and Services, 881-7600; Undergraduate Studies, 881- 7340.

Independent Learning

The Department of Independent Learning has undertaking a major upgrade of its telephone system in response to overwhelming phone traffic demands.

The department, with the University of Office of Telecommunications, is adding 15 new lines to its existing system. The department has assigned individual lines to all administrative staff members. (Call 814-865-3900 to get the direct phone numbers.)

Office hours are 8:30 a.m. to 4:30 p.m. Monday through Friday. At other times, callers can leave a message and request a catalog.

Swimming Hall of Fame

On Friday, March 13, **B.J. Howat** and **Millard D. Freeman Jr.** will be inducted into the Pennsylvania Swimming Hall of Fame, located in the McCoy Natatorium at University Park.

During her 40-year career, B.J. Howat has been a swimming competitor, coach, teacher, official and aquatics director. She spent 16 years at William Tennant High School and eight years at Abington Friends School. She also has coached at Temple and Drexel universities.

Mr. Freeman, a 1955 graduate of West Chester University and captain of the swim team in his senior year, has been a member of the Red Cross Southeast Pennsylvania Chapter Water Safety Committee for 25 years. He was YMCA scuba commissioner from 1970-75 and aquatic commissioner from 1975 to 1983.

Libraries offer databases

The University Libraries now offer its users direct access to two of the world's largest computer databases of bibliographic records.

Users may search a computerized online catalog of over 24 million books, journals, films, maps, musical scores, and electronic files through OCLC WorldCat or the online cataloged holdings of a consortium of major U.S. research libraries through the Research Libraries Information Network (RLIN).

Both online services are available in Pattee Library's General Reference area free of charge during most hours that the Library is open. For more information, contact Jack Sulzer, head of General Reference, at 865-3819 or call the General Reference desk at 865-6363 or 6369.

University community contributes record amount

A record $251,976.02 was contributed to this year's United Way by University Park employees and retirees, with most money directed to the 32 member agencies of Centre County United Way. This year's goal was $207,500.

In announcing the final results of the annual campus campaign, University Park United Way Chairman **James M. Wagner**, vice president for business and operations, said "the inclusion of retirees in Centre County and surrounding areas for the first time accounts for $38,632 of the total. We are pleased that this group of Penn Staters continues to support community services and the University's commitment to our neighbors.

"However, even though we exceeded the financial goal, we are concerned that, despite intensified efforts to inform employees about United Way, the goal of increasing participation resulted in just 35 new contributors."

In addition to retirees, 9,129 full-time and 750 hour/per year employees were contacted. But the rate of participation has fallen since 1990 from 27 to 23.6 percent because more people were contacted this year.

"Penn State and its leaders are committed to supporting United Way and its member agencies because so many of them support Penn State employees," Mr. Wagner said. "The programs developed this year and in previous years will serve as a strong foundation for future educational programs about United Way."

An ad hoc advisory group of Penn Staters has been meeting during the campaign and will be making recommendations to next year's chairman, **James Ryan**, vice president for Continuing Education. Included in the analysis will be results of the survey conducted among University employees last spring.

In commending University Park campaign workers for their efforts, Mr. Wagner said special recognition again goes to retirees and the person who chaired that segment of the campaign, **Theodore Kiffer**, associate dean emeritus in the College of the Liberal Arts; and to the President's Staff who attained the highest giving record per capita in the campaign earning this group a "platinum" award from the Centre County United Way.

Special recognition also was given this year to the following areas:

Employee units with one to 50 employees:

Highest dollar increase — Business and Operations, Main Office — **James Wagner**, associate chair; **Dale Roth**, assistant chair.

Greatest participation increase — Purchasing — **James Wagner**, associate chair; **James Dunlop**, assistant chair.

Employee units with 51 to 100 employees:

Highest dollar increase — Research and Advanced Technology, **Charles Hosler**, associate chair; **Jack Yost**, assistant chair.

Greatest participation increase — Bookstore — **James Wagner**, associate chair; **Elizabeth Wilson**, assistant chair.

Employee units with 101 to 200 employees:

Highest dollar increase — Intercollegiate Athletics — **W. Herbert Schmidt**, associate chair; **Linda Woodring**, assistant chair.

Greatest participation increase — Housing and Foods, Main Office — **James Wagner**, associate chair; **Sylvester Roy**, assistant chair.

Employee units with 201 to 400 employees:

Highest dollar increase/Greatest participation increase — Media and Learning Services — **James Ryan**, associate chair; **John Marshall**, assistant chair.

Employee units with 401 plus employees:

Highest dollar increase — Eberly College of Science — **Gregory Geoffroy**, associate chair; **Henry McCoullum**, assistant chair

Greatest participation increase — ARL — **Charles Hosler**, associate chair; **Jack Yost**, assistant chair.

Nominations due March 16

New faculty award created to honor mentors

The Graduate School announces the creation of the Howard B. Palmer Faculty Mentoring Award to honor and recognize outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School of the University from 1985 until his retirement in 1991.

Nominations may be submitted by faculty, staff and administrators and must be received by March 16. A committee appointed by the dean of the Graduate School, with the assistance of the senior faculty mentor in the Office for Minority Faculty Development, will select the recipient who will receive an allocation of $500 and recognition at the Awards Convocation in April.

To be eligible for nomination a faculty member must meet the following criteria:

- Be a full-time University faculty member with five years of active service at Penn State.
- Exhibit exemplary achievement in the effective mentoring of junior faculty members.

Evidence of these criteria should be presented through completed nomination form and statement of support, which clearly identifies the outstanding qualities of the nominee. The statement should not exceed two single-spaced pages. Additional supporting materials may include a biographical sketch or curriculum vita, no more than three letters of support and other information pertinent to the nomination.

Please submit three copies of all materials to 308 Kern Building by March 16. Nomination forms are available upon request from 308 Kern Building. For more information, call **Deborah F. Atwater** at 863-1663.

Promotions

Staff Exempt

Cynthia J. Halas, to clinical specialist, Pharmacy at Hershey.
David J. Popko, to manager, Supply Distribution, at Hershey.
Lois A. Seitz, to office automation support assistant in Liberal Arts.

Staff Nonexempt

Wendy J. Defibaugh, to licensed practical nurse/medicine at Hershey.
Lori A. Ford, to licensed practical nurse/medicine at Hershey.
Sharon K. Fox, to coordinator, Echocardiography Lab, at Hershey.
Mary G. Longe, to licensed practical nurse/medicine at Hershey.
Robin L. Murphy, to coordinator, Pharmacy Inventory, at Hershey.
Marion Mussoline, to clinical head nurse at Hershey.
Kristine A. Reynolds, to clinical head nurse at Hershey.
Francine Stackhouse, to advertising/special events assistant at King of Prussia Campus.

Clerical

Carol A. Barner, to secretary in Health and Human Development.
Elizabeth A. Buckwalter, to research technician at Hershey.
Mary A. Sherburne, to clerk, typist A in Earth and Mineral Sciences.
Lori L. Zimmerman, to secretary B in College of Agriculture.

Technical Service

Steven E. Allison, to equipment mechanic/operator in College of Agriculture.
John L. Cain, to maintenance worker utility in Office of Physical Plant.
Gloria K. Catich, to equipment and lockerroom attendant in Intercollegiate Athletics.
Paul R. Curtis, to equipment and lockerroom attendant in Intercollegiate Athletics.
Robert Dillon, to boiler operator in Office of Physical Plant.
Joyce E. Dissinger, to storeroom clerk A at Hershey.
Joseph P. Fink, to plumber, pipefitter at Hershey.
Mary Ann Gallaher, to residence hall utility worker in Housing and Food Services.
Kenneth G. Gerberich, to group leader, HVAC at Hershey.
David K. Hutchinson, to AV technician A Commonwealth Educational System.
Robert A. Jones, to A/V delivery worker in Continuing Education.
Janet E. Moore, to campus bus driver in Office of Business Services.
Leon R. Reese, to maintenance worker, utility in Office of Physical Plant.
Charles A. Spicer, to swimming pool operator in Intercollegiate Athletics.
George K. Summy, to HVAC mechanic at Hershey.

Focus on the arts

African Mask on display

The Palmer Museum of Art's "Ngady a Mwaash Mask" will be on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank during March. The piece is exhibited in continuation of the "Art to Go" exhibition sponsored by the Friends of the Palmer Museum of Art.

The mask represents an important mythical ancestor of the Kuba people of the Southern Savannah area of Africa, now known as Zaire. Identified as Ngady a Mwaash, the mask embodies the image of Mweel, the sister and wife of the patriarch Woot, who established the royal lineage of the Kuba people. Sculpted out of wood, the mask is adorned with raffia cloth, leather, cowrie shells (once used as currency) and glass beads.

The Ngady a Mwaash Mask is one of 71 African works of art given to the Museum's permanent collection by L Scotty Greenwald in 1984. The gift constitutes over 50 percent of the Museum's African holdings.

"Art to Go" complements "The Permanent Collection: From Floor To Ceiling" exhibition on view in the Palmer Museum of Art while the new wing is under construction. Museum hours are 10 a.m. to 4:30 p.m. Tuesday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Pattee exhibit

Lydia Dambekalns' "The Artist and Human Adornment: Ethnic Influences" will be on display in Pattee Library's Lending Services Gallery at University Park March 1-30. Ms. Dambekalns became interested in the idea of human adornment after working for three years in East and West Africa with the Peace Corps.

"The ideas and origins behind human adornment fascinate me," she says. "I've taken inspiration from various rich ethnic cultures in which I've lived and incorporated those concepts into my own contemporary artwork in jewelry and textiles."

Ms. Dambekalns received a bachelor of arts degree in studio art and English from the College of William and Mary and is a graduate student in art education at Penn State.

Odyssey on WPSU

"Is it possible to go into a society and examine it absent of values?" asks host Leonard Rubinstein on the next Odyssey Through Literature program, "Colonized Minds." In a sense, he says, that is the dilemma of African writers who reject the "borrowed," Western languages — and thus the values — of their education.

His guest, Ab Harouna, a doctoral candidate in comparative literature, agrees. A poet who writes in three languages, Mr. Harouna detects evidence in his own work of the "colonized mind," a mind restricted in its creativity by foreign languages and foreign genres.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Watercolor exhibit

Watercolors by Rachel Phelps will be on display in Pattee Library's West Lobby Gallery March 2-31.

"These paintings begin as abstract images of color and brush work and are completed with pencil drawings of representational images of nature that exists naturally within the paintings," she says of her work.

Ms. Phelps is a University senior majoring in physiology and minoring in fine arts. The watercolor paintings on exhibit are part of her honors thesis in painting and drawing.

Collograph prints

An exhibition of collograph prints by Barbara Kale titled "Millscapes - Millshapes" will be on display in Pattee Library's East Corridor Gallery March 5-31.

Of her artwork Ms. Kale says, "When I look at a steel mill off in the distance I see geometric shapes. There are circles, rectangles and every sort of angle that merge together into wonderful designs as light moves in and around the shapes; colors seem to change continuously."

Ms. Kale is a graduate of the University of Michigan with a bachelor of arts degree in design. She has won several awards in many juried shows.

Singing Lions

The Singing Lions, a 20-member show choir, will hold their second annual Cabaret Night at 8 p.m. Saturday, Feb. 29, in the Kern Graduate Building at University Park. The affair, co-sponsored by the Kern Graduate Commons, will be set in a candle-lit night club atmosphere.

Tickets, which are $5.00 for adults and $3.50 for students with ID, are on sale in the Hetzel Union Building.

The Singing Lions also will perform in concert at 12:10 p.m. Thursday, March 19, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is sponsored by the School of Music and the University Lutheran Parish.

The program will consist of selections from Broadway shows.

Winners to perform

Winners of the 1992 Penn State Philharmonic Concerto Competition will perform in concert at 8 p.m. Friday, March 20, in the School of Music Recital Hall at University Park.

Lisa R. Itkin will sing Gustav Mahler's "Songs of a Wayfarer." Christine Mullen will sing Mozart's "Dove Sono," from the opera, "La Nozze di Figaro." Lillian Parlato, flute, will perform Chaminade's Concertino Op. 107. Kevin V. Taylor will perform Ney Rousaurd's Concert for Marimba and Orchestra. Kevin J. Tutt will perform Toshiro Mayuzumi's Concertino for Xylophone and Orchestra. Jessica Welles, flute, will perform Mozart's Concerto in D Major, K314, first movement.

Other winners of the competition include Matthew Bouchard and Deborah Wallach, who will perform in concert with the Penn State Philharmonic in April.

The Penn State Philharmonic is directed by Douglas Miller of the School of Music faculty. The concert is free to the public.

Art exhibition

A juried exhibition of work by undergraduate students in the School of Visual Arts and at the Commonwealth Campuses will be on view Monday, March 16, through Tuesday, March 31, in Zoller Gallery at University Park.

Mariella Bisson, curator of exhibitions at the Arch Gallery in New York City, served as juror for the exhibition. She selected 65 pieces, including paintings, drawings, ceramics, metals, sculptures, photographs, prints and graphic design.

The School of Visual Arts, the Penn State Bookstore and Uncle Eli's sponsored three $75 prizes awarded by the juror. An opening reception will be held from 2 to 4 p.m. Monday, March 16, in Zoller Gallery.

The exhibition is free to the public. Zoller Gallery is in the Visual Arts Building adjacent to the Palmer Museum of Art. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Piano concert

Marylene Dosse, professor of music, will perform in concert at 8 p.m. Wednesday, March 18, in the School of Music Recital Hall at University Park.

The program will include Claude Debussy's first book of Preludes, which consists of 12 short pieces, and Robert Schumann's Symphonic Etudes Op. 13.

Professor Dosse has performed extensively in Europe, South America, North Africa and the United States, including a series of recitals at the Lincoln Center. A fellow of the Institute for the Arts and Humanistic Studies, she has published more than 20 recordings under the Vox and Pantheon labels.

The concert is free to the public.

The arts on Channel 3

WPSX-TV will present three weeks of special programming during the station's $175,000 Festival '92 membership drive March 1-22. Featuring Crosby, Stills, and Nash; Natalie Cole, Bing Crosby, Vladimir Horowitz, Luciano Pavarotti and a host of opera greats, Channel 3 invites local communities to watch Festival '92 and join the partnership between families, foundations, corporations and government that makes public television possible.

"Crosby, Stills, and Nash, The Acoustic Concert"—For the generation who grew up singing "Teach Your Children" and "Long Time Gone," this first-run, original public television production, airing at 8:15 p.m. Tuesday, March 3, is a piece of Woodstock revisited.

"Big Band Ballroom Bash"—Turning back the clock, viewers "Take The A. Train," rock to "One O'Clock Jump," and sway to "Moonlight Serenade" in this music special that swings, sings, hops and jives. The program airs at 8:15 p.m. Wednesday, March 4.

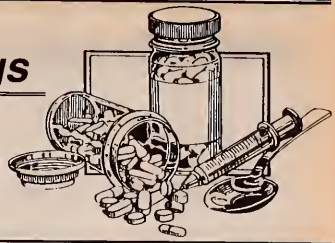
"The Magic of Bing Crosby"—One of the most successful entertainers in the history of show business, Bing Crosby charmed millions for more than 50 years. He croons his way through 21 songs including "Ole Man River," "True Love" and "White Christmas" at 10:30 p.m. Wednesday, March 4, at 10:30 p.m.

Arts at . . .

Altoona Campus

"I, Amelia," a portrait of the famous aviator Amelia Earhart, will be presented at the Penn State Altoona Campus at 8 p.m. Tuesday, March 3. The one-woman play, starring Pat Jordan of the Germantown Theatre Guild, will be presented in the Edith Davis Eve Chapel. It is free to the public.

FOCUS on *Alcohol and Other Drugs* 1991 - 1992



This publication is presented in compliance with the Higher Education Act of 1965 as amended by the Drug-Free Schools and Communities Act of 1989. This insert contains a wide range of information for faculty and staff about policies, programs, resources, health issues, and legal aspects of alcohol and other drug use. It is intended to serve as a reference and guide for all members of the Penn State community as we work together toward the elimination of alcohol and other drug problems.

Penn State

Active participant in the campaign against alcohol and other drugs

Alcohol and other drug abuse on college campuses is widespread. This trend is having adverse effects on students, faculty and staff nationwide. Drug abuse is draining — financially, emotionally and academically.

Through the Drug-Free Workplace Act of 1988, the Drug-Free Schools and Communities Act of 1986 and amendments to both acts, the federal government has called on institutions of higher education to become active participants in the national campaign against drugs. Penn State is committed to providing a living, learning and working environment that is free from substance abuse. Your input and involvement are central to the achievement of this goal.

President Thomas

Inside...

- **Policy on alcohol A2**
- **A drug-free workplace A2**
- **Smoking policy excerpts A2, A4**
- **Legal sanctions A2, A4**
- **Drugs at a glance A3**
- **Resources for faculty and staff A4**
- **Toll-free hotlines A4**

"Drug-free" also means smoke-free

On April 3, 1992, Penn State's smoking policy will be three years old. The policy, which banned smoking in virtually all campus facilities and vehicles, was designed to create a more healthful environment for all who work, visit or attend classes at the University. Reported here are some of the results of the first evaluation of the smoking policy, conducted in Fall, 1990, approximately 18 months after its implementation.

The smoking policy evaluation involved a survey of a random sample of one-third of faculty and staff at all University locations. More than 2,000 faculty and staff completed the questionnaire (49% response rate), providing a great deal of information about their perceptions and behaviors related to smoking before and after the policy was implemented.

Opinions about the smoking policy and work climate

In general, respondents to the survey were satisfied with the policy. However, opinions differed significantly between smokers and non-smokers. Not surprisingly, non-smokers reported more satisfaction with the policy and the smoke-free work climate than smokers.

In addition, when asked to rate the work climate of the other group before and after the ban, both smokers and non-smokers underestimated the impact that the policy had on the work climate for the other group. For both groups, the extent to which they were bothered by smoke in the workplace dropped significantly following the smoking ban.

While there was clearly an overall positive attitude about the policy, some respondents, smokers and non-smokers alike, commented on problems resulting from the smoking restrictions. Many expressed a need for better, safer and cleaner outdoor smoking areas.

Policy guidelines and enforcement

In general, there was agreement that the smoking policy was being observed in work areas. However, there were some concerns about unequal enforcement and lack of knowledge about the policy's parameters, responsibility for enforcement, and how to report violations of the policy.

Smoking among faculty and staff

More than half of the respondents to the survey (59%) indicated that they had never been smokers and an additional 29% had previously smoked, but quit. Only 13% were current smokers, which appears to be a low rate when compared with national estimates of between 26-29% smokers in the U.S. adult population.

Among ex-smokers, 54% had quit smoking ten or more years ago. Five percent of the ex-smokers said that they quit as a direct result of the University smoking policy.

Sixty-two percent of the smokers reported decreases in smoking at work since the policy took effect. An additional 18% reported also decreasing the amount they smoked in non-work situations. Eleven percent of the smokers had been involved in a smoking cessation program in the past year.

Conclusions

In general, the policy appeared to be achieving its purpose of promoting a more healthful environment for members of the University community. Concerns related to existing smoking areas and policy enforcement highlighted a need for increased communication and cooperation among all levels of staff, faculty, and administration, smokers and non-smokers alike. Exerpts related to enforcement from the *Smoking Policy and Guidlines (AD-32)* appear on page A2.

In addition to increasing awareness about the policy, the University will continue to provide various smoking cessation programs through the faculty/staff health promotion office.

For those interested, copies of the full report of the smoking policy evaluation are available for review in the Reserve Reading Room (W-11) of Pattee Library, as well as in the library at each Penn State campus.

This evaluation was co-sponsored by the vice president for Business and Operations and the dean of the College of Health and Human Development. The study was conducted by a team of faculty, staff and research assistants in the departments of Health Education and Psychology and the Office of Human Resources.

Ordering information

Additional copies of this publication are available by calling the Faculty/Staff Health Promotion Office at (814) 865-3085. A similar publication, *Drug Prevention '92*, will be distributed to all University students. Any faculty or staff member who would like a copy of the student publication may call the Office of Health Promotion and Education at (814) 863-0461.

University policies on alcohol and other drugs

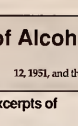
The University prohibits the unlawful possession, use, manufacture, or distribution of alcohol or controlled substances by students, faculty and staff in buildings, facilities, grounds, or property controlled by the University, or used as part of University activities. In addition, the smoking of any material by University members is prohibited in all facilities of Penn State University at all locations, with limited exceptions, such as private residences. References to personnel policies appear here. Relevant student policies are contained in *Policies and Rules for Students* as follows: Code of Conduct Offense K (Conduct 3: Policy Statement on drugs), Code of Conduct Offense J (Conduct 4: Policy Statement on beverages containing alcohol).

Violation of these policies will result in the imposition of disciplinary sanctions up to and including expulsion or termination of employment, and referral for prosecution by the appropriate law enforcement agency.

Possession/Use/Distribution of Alcoholic Beverages (AD-18)

The use, possession and distribution of alcoholic beverages are prohibited upon the property of The Pennsylvania State University unless specifically authorized. Where such use, possession and distribution are permitted, strict compliance with the laws of the Commonwealth of Pennsylvania is required. The laws of the Commonwealth of Pennsylvania are published as the *"Liquor Code,"* P.L.90, April 12, 1951, and the Liquor Control Board Regulations. The possession and use of alcoholic beverages, subject to the laws of the Commonwealth, is permitted by persons twenty-one (21) years of age or older in a facility licensed by the Pennsylvania Liquor Control Board, and in individual housing units (rooms, apartments and houses) owned by The Pennsylvania State University. This policy applies to all locations of the University.

These are only excerpts of AD-18, -32. Consult the *Personnel Policy Manual* for additional information.



Educational and research areas

The Pennsylvania State University specifically prohibits the use, possession and dispensing of alcoholic beverages in classrooms, lecture halls, laboratories, libraries, research areas or within buildings, arenas or areas where athletic events, lectures or concerts are held, during such events or activities. Permission will not be granted to use or possess alcoholic beverages in a facility which is being used for one of the above functions at the time of the request.

Areas open to the public

The Pennsylvania State University prohibits the possession and use of alcoholic beverages in areas open to the public, including areas of buildings open to the public, except: the use of alcoholic beverages, subject to the laws of the Commonwealth, may be permitted at University-sponsored activities in areas designated by, and with the prior approval of the appropriate senior executive responsible for the area of the request.

Private or closed areas

The possession and use of alcoholic beverages are prohibited in conference rooms, offices, office reception rooms, closed buildings and areas of buildings not open to the public or from which the public has been excluded, except: the use of alcoholic beverages, subject to the laws of the Commonwealth, may be permitted in a specific private or closed areas designated by, and with the prior approval of, the vice president, dean or executive officer.

A Drug-Free Workplace (AD-33)

It is the policy of The Pennsylvania State University that the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance, on property owned, leased or controlled by the University and used in the performance of University services is prohibited.

As a condition of University employment, every employee shall abide by the terms of this policy and he or she shall notify his or her supervisor of any criminal drug conviction for a violation occurring in the University workplace no later than five (5) days after such conviction.

Violation of policy

Any employee found in violation of these prohibitions shall be subject to disciplinary action, including dismissal, and may be required to participate in a drug abuse assistance or drug rehabilitation program.

Smoking Policy Excerpts (AD-32)

Enforcement

"The success of this policy depends on obtaining and maintaining the willingness, understanding and cooperation of all smokers and non-smokers in all University facilities. It is the responsibility of all members of the Penn State community to observe this smoking policy. Each University member is responsible for monitoring compliance with this policy at his/her level of involvement in the University community.

Office/Administrative/General Work Areas

The Dean/Administrative Officer, Campus Executive Officer, or designee is responsible for enforcement of this policy for office, administrative, and all general work areas...under his/her jurisdiction. It shall be his/her responsibility to determine appropriate disciplinary sanctions...for violations of this policy. Disputes...shall first be referred to the employee's supervisor for resolution. Complaints, concerns, or requests for clarification regarding this policy, or disputes regarding its enforcement beyond the level of an employee's supervisor, shall be referred to the Employee Relations Division of the Office of Human Resources...

Classrooms, Laboratories, and Seminar/Meeting Rooms

The leader in charge of the user group in such areas...will be responsible for enforcement of this policy for those portions of the faculty under his/her jurisdiction. It shall be his/her responsibility to determine if corrective or disciplinary action needs to be taken. Formal complaints, concerns, requests for clarification regarding the policy, or disputes regarding its enforcement in such facilities, shall be referred to the Smoking Policy Review Committee....

See 'Smoking policy' on Page A4

University alcohol and drug policies are consistent with local, state and federal law.

Legal sanctions

Illicit drugs

Sanctions upon conviction for possession, distribution, or manufacture of controlled substances range from fines to probation to imprisonment. Amounts of fines, terms of probation or years of imprisonment are generally contingent upon the circumstances and the amounts of drugs in possession, sale, distribution or manufacture.

Federal penalties

Federal penalties and sanctions for illegal possession of controlled substances are outlined in 21 U.S.C. (U.S. Code), which deals with food and drugs. Several sanctions are outlined below.

■ **21 U.S.C. 844(a): Penalties for simple possession**

First conviction: Up to one year imprisonment and fined at least $1,000 but not more than $10,000, or both.

After one prior drug conviction: At least 15 days in prison, not to exceed two years and fined at least $2,500 but not more than $250,000, or both.

After two or more prior convictions: At least 90 days in prison, not to exceed three years and fined at least $5,000 but not more than $250,000, or both.

■ **Special sentencing provisions for possession of crack cocaine:**

Mandatory at least five years in prison, not to exceed 20 years and fined up to $250,000, or both if: (a) first conviction and the amount of crack possessed exceeds 5 grams; (b) second crack conviction and the amount of crack possessed exceeds 3 grams; (c) third or subsequent crack conviction.

See 'Legal sanctions' on Page A4

Drugs at a Glance

Faculty, staff and students should be aware of the health risks that have been associated with the use/abuse of alcohol and other drugs. A list of some of the health risks follows. However, it is not intended to be all inclusive. Further information may be obtained from the Campus Health Services, Office of Health Promotion and Education or Faculty/Staff Health Promotion Office.

Drug	Effects	Health Risks
Depressants		
Alcohol	Slower reaction time, drowsiness, slurred speech, personality changes.	High risk for accidents; excess use can cause cirrhosis, heart disease, cancer, birth defects if used during pregnancy, physical and psychological addiction, and death from overdose.
Barbiturates/Tranquilizers (downs, ludes, reds, yellow jackets, purple hearts)	Drowsiness, stupor, dullness, slurred speech, drunk appearance. Occasionally, overstimulation, hallucination, insomnia, rage.	Tolerance, death from overdose, birth defects when used during pregnancy, unconsciousness, physical and psychological addiction, increased danger when mixed with alcohol, tranquilizers or antihistamines.
Stimulants		
Amphetamines (pep pills, ups, crank, speed, crystal, ice, meth, black beauties)	Aggressive behavior, giggling, silliness, rapid speech, confused thinking, no appetite, extreme fatigue (after use), dry mouth, shakiness.	Death from overdose, delusions/paranoia/bizarre behavior even when not using, frightening hallucinations, weight loss, malnutrition, and physical and psychological addiction. Injection can cause complications leading to death. Extreme depression can lead to suicide.
Cocaine/crack/ice (coke, flake, toot, C, rock)	Increased blood pressure, no feeling of pain, superior and indestructible feelings, hyperactive, masks fatigue, sweating, pupil dilation. Crack — short periods of euphoria followed by extreme depression.	Unexpected heart attack or stroke, weight loss, extreme depression, suicide, paranoia, insomnia, nervousness. High doses can cause seizures and respiratory failure. Strong psychological addiction can occur rapidly, use during pregnancy can cause low birth weight and brain weight and brain damage to fetus or cause the uterus to separate from the uterine wall.
Tobacco	Central nervous system stimulant, irritation of lung tissue, constriction of blood vessels, increased blood pressure and heart rate, impaired sense of taste.	Physical and psychological dependence, cancer, heart disease, emphysema. Smokeless tobacco can cause gum inflammation and disease, and dental problems.
"Look alikes" (pills and capsules containing legal stimulants, chiefly caffeine, phenyl-propanolamine)	Nervousness, loss of appetite, increased blood pressure and heart rate.	High doses can cause nausea, anxiety, insomnia, dizziness and tremors.
Hallucinogens		
Marijuana (pot, grass, weed, MJ, smoke)	Sleepiness, wandering mind, lack of coordination, craving for sweets, increased appetite, dry mouth, time and space distortion.	Unpleasant panic attack or paranoia; 1 joint approximately equal to 5 cigarettes in cancer-causing potential. Use during pregnancy can lead to low birth weight and brain damage to fetus; temporary sperm irregularities have occurred in users; ability to operate cars and machinery impaired, psychological addiction may occur.
LSD (acid, trips, blotter, windowpane)	Feelings of detachment, sensory distortion, changes in perception/mood/thought, hallucinations (usually at higher doses), rapidly alternating laughing and crying while using, drunken state, incoherent speech, pupil dilation, cold hands and feet.	Very unpleasant/terrifying emotional experiences. "Flashbacks" or brief recurrence days or months later of a portion (usually unpleasant) of a trip. Psychotic breaks, usually lasting a few days (can be indefinite) have occurred, as well as psychological addiction.
Ecstasy (MDMA, ADAM, XTC)	Dilated pupils, dry mouth, nervousness, physical tension, mild hallucinations.	Tolerance can build leading to overdose. Liver damage, heart problems, possible brain damage, and psychosis (with heavy use).
Mushrooms (psilocybin, shrooms)	Rise in body temperature, elevated pulse rate and blood pressure, enlarged pupils, nausea, drowsiness, numbness, synesthesia ("cross-over" among the senses).	"Bad trips," ability to operate machinery and cars can be impaired, psychotic breaks (rarely).
Narcotics		
Heroin (junk, horse, H, smack) **Morphine** (M) **Codeine** (schoolboy) **Cough medicine** (containing codeine and opium juice)	Stupor, drowsiness, drunk appearance, lack of coordination, confusion, excessive itching.	Death from overdose, AIDS and hepatitis from using unsterile needles. Physical and psychological addiction common. Pregnancy complications and birth defects have occurred.
Anabolic steroids		
Synthetic testosterone	Reduced body fat, improved endurance, faster muscle healing time, increased muscle mass and strength, lowered tolerance to pain, increased aggressiveness.	For men: decreased sperm production, atrophy of testes, impotence, severe acne, early baldness. For women: growth of facial and body hair, menstrual irregularities, enlargement of clitoris, deepening voice. For both men and women: high blood pressure, heart disease, liver damage, "steroid psychosis."

Legal sanctions

Continued from Page A2

and the amount of crack possessed exceeds 1 gram.

■ 21 U.S.C. 844(a)

Civil fine of up to $10,000, pending adoption of final regulations.

■ 21 U.S.C. 853(a)(2) and 881(a)(7): **Forfeitures**

Forfeiture of personal and real property used to possess or to facilitate possession of a controlled substance if that offense is punishable by more than one year imprisonment (see special sentencing provisions re: crack)

■ 21 U.S.C. 881(a)(4): **Forfeitures**

Forfeiture of vehicles, boats, aircraft or any other conveyance used to transport or conceal a controlled substance

■ 21 U.S.C. 853(a) **Prohibited Acts C**

Denial of federal benefits, such as student loans, grants, contracts, and professional and commercial licenses, up to one year for first offense, up to five years for second and subsequent offenses.

Miscellaneous:

Revocation of certain federal licenses and benefits, e.g. pilot licenses, public housing tenancy, etc., are vested within the authorities of individual federal agencies.

Pennsylvania Penalties and Sanctions

Pennsylvania penalties and sanctions for illegal possession and distribution of controlled substances are outlined in the Controlled Substance, Drug, Device and Cosmetic Act. All controlled substances are listed in Section 4 (Schedules of Controlled Substances). Section 13a (Prohibited Acts; Penalties) describes 35 prohibited acts. Penalties for violations are listed in 13b-h

Misdemeanors

■ **13(a)12: Misrepresentation**

It is unlawful for any person to acquire or obtain possession of a controlled substance by misrepresentation, fraud, forgery, deception, or subterfuge.

Penalty: imprisonment for one year, fine of $5,000, or both.

■ **13(a)16: Possession**

It is unlawful for a person to knowingly or intentionally possess a controlled or counterfeit substance unless he e registered under the act or obtained it by use of a valid prescription.

Penalty: imprisonment for one year, a fine of $5,000, or both in the case of a first offense. Imprisonment for three years or fine of $25,000, or both for second offense.

■ **13(a)31: Possession and distribution of a small amount of marijuana (30 grams marijuana or 8 grams hashish)**

It is unlawful for a person to possess a small amount of marijuana for personal use; to possess it with the intent of using or distributing it.

Penalty: imprisonment for 30 days, a fine of $500, or both.

■ **13(a)32 and 33: Use and delivery of paraphernalia**

It is unlawful for a person to use, to deliver, or to possess with the intent of using or delivering paraphernalia (such as grow kits, pipes, needles, and roach clips) to grow, conceal or ingest drugs.

Penalty: imprisonment up to one year, a fine of $25,000, or both.

Felonies

■ **13(a)30: Delivery**

It is unlawful for a person to manufacture, deliver or possess with intent to manufacture or deliver a controlled substance by a person not registered under this act.

Penalty: In the case of most opiates, imprisonment for 15 years, a fine of $250,000, or both, in the case of most hallucinogens, imprisonment for five years, a fine of $15,000, or both, in the case of most drugs available, illegally, under prescription, imprisonment for three years, a fine of $10,000 or both.

Alcohol

The laws of Pennsylvania concerning the possession or distribution of alcoholic beverages are part of 18 PA C.S. (Pennsylvania Crimes Code). Examples of violations and their respective sanctions are as listed below.

■ **18 PA C.S. 6308: Purchase, consumption, possession or transportation of liquor or malt or brewed beverages**

A person commits a summary offense if he, being less than 21 years of age, attempts to purchase, purchases, consumes, possesses or knowingly and intentionally transports any (alcohol), liquor, or malt beverages within the Commonwealth.

Penalty: maximum penalty 90 days imprisonment; additional penalty for subsequent violation is $500 fine; police are required to notify parents; immediate suspension of operator's license for 90 days; one year license suspension for subsequent offenses.

■ **18 PA C.S. 6309(a): Representing that minor is of age**

A person is guilty of a misdemeanor of the third degree if he knowingly, willfully, and falsely represents to any licensed dealer, or other person, any minor to be of full age, for the purpose of inducing any such licensed dealer or other person to sell or furnish any intoxicating liquors to a minor.

Penalty: maximum penalty one year imprisonment; minimum penalty $300 fine, no suspended sentences; immediate suspension of operator's license for 90 days; one year license suspension for subsequent offenses.

■ **18 PA C.S. 6310.1(a): Selling or furnishing liquor or malt or brewed beverages to minors.**

A person commits a misdemeanor of the third degree if he intentionally and knowingly sells or intentionally and knowingly furnishes, or purchases with the intent to sell or furnish, any liquor or malt beverages to a person who is less than 21 years of age

Penalty: maximum penalty one year imprisonment; minimum penalty $1,000 for first violation; $2,500 fine for subsequent violations; no suspended sentences.

■ **18 PA C.S. 6310.6: Definitions**

"Furnish" means to supply, give or provide to, or allow a minor to possess on premises or property owned or controlled by the person charged

■ **18 PA C.S. 5505: Public Drunkenness**

A person is guilty of a summary offense if he appears in any public place manifestly under the influence of alcohol to the degree that he may endanger himself or other persons or property, or annoy persons in his vicinity.

Penalty: maximum penalty $300 fine or up to 90 days imprisonment, or both.

Driving under the influence

Pennsylvania laws concerning driving under the influence are part of 75 PA C.S (Pennsylvania Vehicle Code). Subchapter B (Serious Traffic Offenses). Section 3731 describes violations and penalties.

■ **75 PA C.S. 3731: Driving under the influence of alcohol or controlled substance**

A driver is considered legally intoxicated in Pennsylvania if he or she is under the influence of alcohol, a controlled substance, or a combination of both, to a degree which makes the person incapable of safe driving; or when her or her blood-alcohol content (BAC) is 0.10 percent or greater. Driving under the influence is a misdemeanor of the second degree

Penalties: Maximum penalty is two years imprisonment or $5,000 fine, or both, plus automatic one year driver's license suspension. Penalties for first offense include a minimum fine of $300, minimum of 48 hours imprisonment, attendance at alcohol safety driving course, counseling as required, supervision on parole for up to two years and one year suspension of driver's license.

■ **Other alcohol-related violations involving vehicles**

Refusal to take a breathalyzer or chemical tests:

Anyone who operates a motor vehicle in Pennsylvania is deemed to have given consent to one or more chemical test(s) or breath or blood alcohol for the purpose of determining blood alcohol content, if the police officer has reasonable grounds to believe the person has been driving under the influence. If a person is placed under arrest for violation of the DUI law and refuses to submit to a test, his/her driver's license will be suspended for one year.

Consumption of alcoholic beverages by a driver:

A driver is guilty of a summary offense if he/she consumes any alcoholic beverage in a vehicle in operation on a Pennsylvania highway

Local open container laws

While there is no state law prohibiting open containers of alcohol in public, many local governments have enacted such ordinances. For example, the State College Borough Open Container Ordinance makes it unlawful to possess an open container of alcohol in a public parking lot or garage, on a public street or sidewalk, or in an alley or park, except for persons within a motor vehicle. Violations result in fines ranging from $25 to $300.

Many other local governments have enacted special ordinances. It is suggested that you be familiar with those in your area

NOTE: Additional information on legal sanctions pertinent to alcohol and controlled substances may be obtained from local police departments or the nearest Pennsylvania State Police barracks.

Toll-free hotlines

❒ National Institutes on Drug Abuse Hotline, 1-800-662-HELP (4357) — refers callers to local drug treatment centers and support groups

❒ American Council on Alcoholism Helpline, 1-800-527-5344 — refers callers to local alcohol and drug treatment centers

❒ Al-Anon, 1-800-344-2666 — will refer families of substance abusers to group meetings in their local area

❒ Cocaine Hotline, 1-800-COCAINE — will provide information about cocaine

❒ Encore, 1-800-932-0912 — provides up-to-date information on drugs

❒ Pennsylvanians Aware, 1-800-PA-AWARE

❒ National Clearinghouse for Alcohol and Drug Abuse, 1-800-SAY-NO-TO

❒ Alcohol and Drug Abuse 24-hour Helpline, 1-800-333-4444

❒ Federal Drug, Alcohol and Crime Clearinghouse Network, 1-800-788-2800 — will provide information about all federal drug and alcohol programs, from treatment referrals to crime data.

Resources for faculty and staff

Any employee or supervisor in need of assistance or advice related to alcohol and other drug problems should contact:

■ **Office of Human Resources:**
Faculty/Staff Health Promotion program: (814) 865-3085
Employee Relations Division: (814) 865-1412

■ Campus Health Services

■ Human Resources representatives

■ Directors of Business Services

Community resources

A variety of services is available in most communities to assist people with alcohol and other drug problems. These range from crisis intervention and self-help programs to individual counseling services or in-patient residential programs. Often, alcohol and other drug services are listed in the human services section of the local telephone directory. The white pages usually provide local phone numbers for Alcoholics Anonymous, Narcotics Anonymous, Al-Anon and other self-help programs. Several toll-free numbers which provide assistance and information are listed on this page. An annotated listing of alcohol and other drug services in the Central Pennsylvania region may be obtained by calling the Faculty/Staff Health Promotion office at (814) 865-3085.

Insurance coverage for alcohol and other drug treatment

University faculty and staff who are eligible for health care benefits may receive reimbursement for some of the costs of certain types of alcohol and other drug treatment. Both Healthpass and Plan A provide some coverage for detoxification in an approved facility. In addition, some reimbursement for outpatient counseling may be available. Before enlisting services, consult the employee benefits literature and clarify questions through the Employee Benefits Division of the Office of Human Resources at (814) 865-1473.

Drug awareness training for supervisors

Since fall 1989, almost 300 administrators, human resource representatives and supervisors from all University locations have participated in the Office of Human Resources' drug awareness training program. The purpose of the program is to provide faculty and staff in supervisory positions with an orientation to the University's policies and procedures related to alcohol and other drug use at work and an overview of interrelated health concerns.

The half-day seminar includes practical information about commonly used drugs, work-related signs of abuse, and resources available for assistance in dealing with such problems.

The last session of the drug awareness training program for spring semester is March 30. For information, consult the Human Resource Development Center course schedule for faculty and staff, "Hands on...Success," or call the HRDC at (814) 865-3410.

Smoking policy —

Continued from Page A2

Visitors

Visitors are expected to comply with this smoking policy. The Dean/Administrative Officer, Campus Executive Officer, or designee, or leader in charge of a specific "openly assigned" area will be ultimately responsible for adherence to this policy by visitors..."

Other sources of help and information

Safety Officers and/or Office of Environmental Health and Safety may respond to questions or concerns related to environmental tobacco smoke.

Faculty/Staff Health Promotion Office will provide information about available smoking cessation programs and techniques.

University Park Calendar

February 27 - - March 8

Special Events

Thursday, February 27

■ International Lecture Series, 9:30 a.m., 222 Boucke. Frederick Gaige on "Nepal: Transition from Monarchy to Democracy."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Percussion Students of Dan Armstrong.

Contemporary Dance Company, spring concert, 8 p.m., Playhouse Theatre. Also Feb. 28. Tickets, Eisenhower Aud. Ticket Center.

■ Lecture Series of the Dept. of Spanish, Italian, and Portuguese, 8 p.m., 112 Walker. Nelson H. Vieira on "Exploration and Empire: The Enterprise of Brazil and the Crypto-Jews of Portugal."

Friday, February 28

Geog. Coffee Hour, 4 p.m., 319 Walker. Santa Barrazza on "Contemporary Expressions of Colonial Miracle Paintings—Chicano Retablos." Refreshments, 3:30 p.m.

Saturday, February 29

Center for the Performing Arts, 3 and 8 p.m., Eisenhower Aud. Barnum.

The Promotion and Tenure Roundtable, 9 a.m.-noon, 114 Kern. Reservations, Leah Witzig, 863-1663 by Feb. 26.

Sunday, March 1

Carnegie Hall Film Series, 7 p.m., The Nasty Girl (1990); 8:45 p.m., Notorious (1946), Carnegie Cinema. Free.

Monday, March 2

■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Gila Naveh, Univ. of Cincinnati, on "Dissident Daughters: East European Poetry of Self-Exile by Ratushinskaya and Blandiana."

Tuesday, March 3

Art History Lecture Series, 8 p.m., 112 Walker. Truman Lowe, Univ. of Wisconsin-Madison, on "Frybread and Other Influences: A Woodland Perspective."

Contemporary Scholarship on Lesbian and Gay Lives, lecture/slide presentation, 8 p.m., HUB Assembly Room. "A Lesbian/Feminist Tour of Paris 1900-1991."

Wednesday, March 4

Center for Women Students Brown Bag Lunch Series, noon-1 p.m., 120 Boucke. Marie Lindhorst on "Who Was That Schoolmarm? Recovering The Lives of American Teachers."

■ Lecture, 7:30 p.m., Kern Aud. Marjory E. Searing, deputy assistant secretary for Japan in the U.S. Dept. of Commerce, on "Problems in U.S.-Japanese Trade."

Sunday, March 8

Shaver's Creek, 2-4 p.m., Pennsylvania Trees. Call 863-2000.

Public Radio

WPSU-FM 91.1

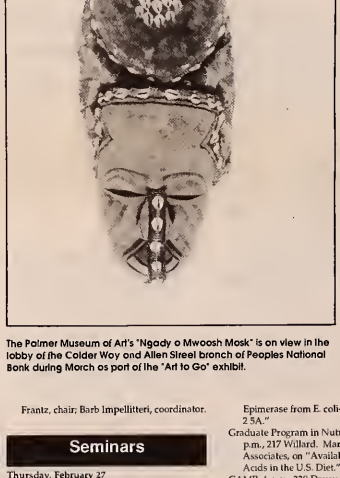
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education

Keller Building

March 3-5. Mine Instructor Training. Robert Frantz, chair; Barb Impelliteri, coordinator.



The Palmer Museum of Art's "Ngady a Mwoosh Mask" is on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank during March as part of the "Art to Go" exhibit.

Seminars

Thursday, February 27

EPF, 3 p.m., 339 Davey. Dmitra Karabali, City College, CUNY, on "One Dimensional Fermions as Two Dimensional Droplets via Chern-Simons Theory."

Physics Colloquium, 3:30 p.m., 55 Osmond. Gerald Smith on "Precision Spectroscopy of Charmed Quark States."

Biology, 4 p.m., 8 Mueller. John Nambu, Univ. of Calif., on "Drosophila Single-Minded Gene and Development of the CNS Midline Cells."

Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. Giselia Labouvie-Vief, Wayne State Univ., on "Self and Emotions in Adulthood: A Developmental View."

Friday, February 28

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Charles Meade, Geophysical Lab., Wash., D.C., on "Structural Transformations in Amorphous Silicates at High Pressure."

Aerospace Engineering, Computational Fluid Dynamics, 2:30-3:20 p.m., 127 Sackett. V. Modi, Columbia Univ., on "Adjoint Operator Approach to Shape Design for Internal Incompressible Flows." Refreshments, 2:15 p.m., 233 Hammond.

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Gunalan, on "Behavior of a 2,4-D-degrading Bacterium Introduced into Soil: Its Survival and Activity."

Monday, March 2

EPF, 4 p.m., 339 Davey. John Frye, Univ. of Liverpool, England.

Tuesday, March 3

■ Population Issues Research Center, Dept. of Sociology, 12:30-1:45 p.m., 204 Keller. Harriet Presser, Univ. of Maryland, on "Women's Employment in Puerto Rico: Combining Life Course and Cohort Perspectives."

Inorganic-Organic, 1:15 p.m., 55 Osmond. Fredric Menger, Emory, on "Systems Research: Groups of Organic Molecules that Operate Collectively."

Chemistry Colloquium, 3:30 p.m., 55 Osmond. Perry Frey, Univ. of Wisconsin, on "UDP Galactose-4-Epimerase from E. coli- The Structure at 2.5A."

Graduate Program in Nutrition Colloquium, 4 p.m., 217 Willard. Mary Enig, Enig Associates, on "Availability of Trans Fatty Acids in the U.S. Diet."

CAMP, 4 p.m., 339 Davey. David Aspenes, Bellcore.

Biology, 4 p.m., 8 Mueller. S. Blair Hedges on "Molecular Insights Into Vertebrate Phylogeny and Biogeography."

Wednesday, March 4

■ Slavic Center Luncheon Seminar, noon, 12 Sparks. Michael Bernhard on "Charismatic Authority and Democratic State Building: The Case of Poland."

Thursday, March 5

EPF, 2 p.m., 339 Davey. Kay Kinoshita.

Physics Colloquium, 3:30 p.m., 55 Osmond. Albert Libchaber, NEC and Univ. of Princeton, on "Turbulence in a Box."

Biology, 4 p.m, 8 Mueller. Simon Gilroy, Univ. of Calif., Berkeley.

Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. Neal Cutler, Boettner Institute of Financial Gerontology.

Biology, 4 p.m., 8 Mueller. Simon Gilroy, Univ. of Calif., Berkeley, on "Signal Transduction in Guard Cells—Peering Into The Black Box."

Friday, March 6

A.L. Bortree Lecture Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Lisle W. George, Univ. of Calif., on "Properties of the Moravella Bovis Cytotoxin." Refreshments, 8:30 a.m.

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Donald Brenner, Naval Research Labs, on "Molecular Dynamics Simulations of New Carbon-Based Materials."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences & Industries. Patrick G. Hatcher on "Chemical Structure of Humic Material in Soil."

Exhibits

Chambers Gallery

"Undergraduate Paintings and Sculpture," through Feb. 28.

Hetzel Union Art Galleries:

Formal Gallery:

■ Paintbrush Diplomacy: Children's Art from the Americas, through March 1.

"Goddesses and Flowers", Jennifer Tucker, March 8-29.

Art Alley Cases:

■ Penn State's International Students art and artifacts, through March 15.

Art Alley Panels:

"Imagery of Personality," Anne Trevino, photographs, through March 15.

Browsing Gallery:

Color Slide Club of State College, March 2-29.

Kern Galleries

"Mountains," Thomas Smyth Jr., through March 17.

Palmer Museum of Art

"The Art of American Livestock Breeding," through March 29.

Pattee Library

Main Lobby:

"Penn State's Presidential Families," through Feb. 29.

West Lobby:

■ "Saudi Arabia—Tradition House," Fawaz F. Abunayyan oil paintings exhibition, through Feb. 29.

Rare Books Room:

An exhibit of antebellum southern humor, through March 6.

Lending Services Gallery:

"Vision Caressing Emotion," Rose Lucas watercolor collage exhibition, through Feb. 29.

Zoller Gallery

Juried exhibition of work by undergraduate students in the School of Visual Arts and at the Commonwealth Campuses, March 16-31.

Tips

Information Penn State

Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an international perspective

Partings

University employees end service

Alan J. Freyer, lecturer, Eberly College of Science, from March 1, 1974, until Feb. 9.

Renee C. Harpster, secretary A, Commonwealth of Educational System, from July 1, 1957, until June 12, 1959; and from May 3, 1982, until Feb. 29.

Raymond E. Musser, heat and ventilation technician, Office of Physical Plant, from Jan. 1, 1965, until Oct. 1.

James F. Neff, group leader, Business Services, from Aug. 1, 1953, until Jan. 1.

Eva R. Pettingill, shipping clerk, Commonwealth Educational System, from Oct. 1, 1955, until Jan 1.

Henry E. Pfischner, associate director for proposals, Research and Graduate School, from Oct. 16, 1966, until Jan. 1.

Ralph W. Ralston, mail carrier, Business Services, from Sept 21, 1977, until Jan. 1.

Harry D. Russler, storeroom mail clerk, Commonwealth Educational System, from Sept. 6, 1957, to Feb. 26, 1960; Dec. 15, 1960, to Jan. 1.

Frank C. Schultz, maintenance worker, Office of the Physical Plant, from Oct. 15, 1956, until Jan. 1.

Edward J. Shoemaker, heating and ventilation technician, Office of Physical Plant, from Jan. 27, 1958, until Jan. 1.

George R. Smeal, janitorial worker and group leader, Office of Physical Plant, from March 21, 1966, until Jan. 1.

Paul F. Stachowski, lead carpenter, Office of Physical Plant, from Nov. 21, 1966, until Nov. 22, 1991.

Esther U. Strause, secretary, College of Liberal Arts, from Jan. 1, 1959, until Jan. 1.

Bill D. Tibbens, carpenter, Office of Physical Plant, from Sept. 20, 1970, until Jan. 1.

Catherine Vonada, data entry assistant and programmer for computer and information systems in Management Services, from March 1, 1957, until Jan. 1.

Dorie D. Weaver, plumber-fitter, Office of the Physical Plant, from June 19, 1967, until Jan. 1.

Mary E. Zeek, payroll supervisor, Corporate Controller's Office, from July 1, 1953, until Jan. 1.

Donald T. Arndt

Director ends 32-year career

Donald T. Arndt, director of housing and laundry services in Housing and Food Services, has retired after 32 years service.

Mr. Arndt came to the University as head of personnel and business records for the Housing Department and held nine other positions in the department. He played an important role in the openings of North, Pollock and East Halls and the Nittany Apartments and their commons buildings. He also worked with the Commonwealth Campuses and served on the University Park card access system committee.

He earned a master's degree in higher education at Penn State. Both of his daughters also hold Penn State degrees.

His plans for retirement include visiting his daughters and five grandchildren. He and his wife, Janet, are residents of State College.

Fred Hapkins

Manager brings 31 years of service to close

Fred Hopkins, manager of the Research and Accounting Office, has retired after 31 years service.

He started as an accountant and has held several other positions in the office. As manager, he supervised the operations of the office and 11 employees.

Mr. Hopkins' main plan for his retirement is relaxation. He and his wife, Nancy, live in State College. Mrs. Hopkins is employed by the College of Health and Human Development. Their son is a 1986 graduate of Penn State.

Professor retires with emeritus status

Paul A. Games, professor of human development, has retired with emeritus status after 23 years of service.

Dr. Games came to the College of Education in 1968 as professor of educational psychology. In 1987 he joined the Department of Human Development and Family Studies in the College of Health and Human Development. Earlier in his career, he was a faculty member at Ohio University.

His research concentrated on how well various statistical methods hold up under diverse conditions, and he has invented new ways of making decisions using statistics. He has written or co-authored 83 articles and 20 computer programs, and was senior author of the book *Elementary Statistics: Data Analysis for the Behavioral Sciences.*

Both the American Educational Research Association and the American Educational Research Journal honored him for his research articles, and the University of Iowa recognized him as an "Eminent Psychologist" among its Ph.D. graduates.

A Fellow of the American Psychological Association, Divisions of Educational Psychology and Evaluation and Measurement, he is listed in "American Men and Women of Science" and "Leaders in Education."

He has served as associate editor of the *Journal of Communication* and the *Journal of Educational Statistics*, and has been a reviewer for 15 professional publications. An editorial consultant to the *Journal of Experimental Education*, he also has been a consultant to the National Institute of Education, Pennsylvania Department of Education, National Center for Research in Vocational Education, the National Library of Medicine, and the Pennsylvania Bureau of Vocational Rehabilitation.

Paul A. Games

Partings

Professor and leader in his field retires after 42 years

Loren D. Tukey

Loren D. Tukey, professor of pomology, retired Jan. 1 after 42 years service.

His research focused on chemical growth substances for control and regulation of growth and production in apples, pears and labrusca grapes; environmental relationships in fruit growth and development; very dwarfing rootstocks; intensive production systems, and orchard productivity.

Dr. Tukey is known for developing the fruit size method for timing chemical fruit thinning in apples. He also developed the Penn State low-trellis hedgerow system for commercial apple production. He is an authority on diurnal growth of apple fruits, triazole growth regulants and very dwarfing apple rootstocks.

Dr. Tukey has traveled widely in South America, Europe and the Orient, visiting research stations and the commercial fruit industry. He has been active in the International Society for Horticultural Science. He also is a fellow of the American Society for Horticultural Science and the American Association for the Advancement of Science, and is listed in Who's Who in America and Who's Who in the East.

He received the Paul Howe Shepard Award of the American Pomological Society, the Outstanding Horticulturist Award from the State Horticultural Association of Pennsylvania, the Service and Leadership Award from the International Dwarf Fruit Tree Association and the Milo Gibson Award from the North American Fruit Explorers.

He and his wife, Louise, have two children, Dr. David D. Tukey and Barbara T. Shea. He will continue to live in State College, continuing his research on the effects of various very dwarfing apple rootstocks with scion cultivars differing in vigor and growth habit.

Emeritus status granted

Agriculture professor ends 30-year teaching career

J. Cordell Hatch, professor of agricultural communications, has retired with emeritus status after more than 30 years service.

His work included teaching, research, extension, broadcasting, administration and international development. For many years he directed radio, television and audiovisual services for the College of Agricultural Sciences.

Dr. Hatch is an authority on using radio, television, and audiovisual aids to support rural development and food and fiber production. Through various Penn State, World Bank and USAID programs, he has worked for more than two decades in a number of countries as a planner, teacher, adviser and development officer.

Under his leadership, new agricultural communications departments were established in Colombia, Seychelles, Philippines and Pakistan. He also has provided technical assistance to Argentina, Swaziland, Kenya, Canada, Nepal and Western Samoa.

The International Association of Agricultural Communicators in Education has presented him with many awards, including the Radio-Television, Communications Pioneer, International Service and Distinguished ACE Professional awards. He served as president of ACE in 1977-78.

Dr. Hatch earned his undergraduate degree at the University of Tennessee and his master's and Ph.D. degrees at the University of Wisconsin. In retirement, he plans to continue his international work, helping the University of Illinois to develop a Center for Agricultural Communications and Instructional Media at the Agricultural University in Peshawar, Pakistan.

J. Cordell Hatch

When not overseas, he and wife, Nancy, will play golf and tennis, travel, follow Penn State football and relax on their farm in Tennessee.

Number of employees end service

Terry S. Brungart, foreman of area facilities in the Office of Physical Plant, has retired after 31 years service.

Mr. Brungart started as a maintenance worker and has held several foreman positions for the Office of Physical Plant.

He looks forward to catching up on his hunting and fishing during his retirement. He and his wife, Joann, live in Rebersberg.

Josephine C. Corl, secretary in the Commonwealth Educational System, has retired after 35 years service.

Ms. Corl was a secretary in the department ever since she joined Penn State.

Her plans for retirement include gardening, spending time with her grandchildren, and doing volunteer work. She and her husband, Hubert, live in State College.

Robert R. Landsberry, centralized copy center operator in Business Services, has retired after 28 years of service.

Mr. Landsberry started working in the Foods Services' bakery and then began landscaping for the University.

His plans for retirement include fishing and sightseeing. He hopes to travel soon to Alaska.

He and his wife, Sandra, live in Port Matilda. Mrs. Landsberry was a copy center operator for 35 years.

Eleven employees retired Jan. 1

Shirley H. Bennett, building service assistant, Commonwealth Educational System, from Oct. 5, 1960, to June 4, 1968; Feb. 21, 1972, to Jan. 1.

Samuel R. Copenhaver, television and electronics technician, Commonwealth Educational System, from Aug. 3, 1970, until Jan. 1.

Martha H. Everhart, nurse-athletics, Intercollegiate Athletics, from Nov. 1, 1960, until Jan. 1.

Joanne M. Garman, maintenance worker utility, Office of the Physical Plant, from July 5, 1967, until Jan. 1.

Harry F. Gearhart, lead plasterer, Office of the Physical Paint, June 1, 1971, until Jan. 1.

Patricia Z. Gearhart, teller, Corporate Controller's Office, from July 15, 1968, until Jan. 1.

Marvin W. Hughes, closed circuit television systems specialist, Office of the Physical Plant, from Feb. 1, 1963, until Jan. 1.

Mary E. Hutton, domestic worker, Office of the Physical Plant, from Jan. 17, 1968, until Jan. 1.

Nancy B. Kline, clerk, Undergraduate Education, from Nov. 1, 1951, to March 18, 19SS; Aug. 1, 1970, to Jan. 1.

Ethel M. Lightner, senior clerk, Student Services, March 1, 1968, until Jan. 1.

Jean L. Muthersbaugh, accounting control supervisor, Corporate Controller's Office, from Feb. 1, 1964, until Jan. 1.

Private Giving

Biomedical research building project given incentive

Foundation offers $600,000 challenge grant

The Kresge Foundation has approved a $600,000 challenge grant to help build a biomedical research building at the Hershey Medical Center.

The grant is part of $10 million in private funds the University is seeking for the $47 million structure. Remaining funds will come from a bond issue and financial reserves. No public monies will be used.

Foundation Chairman Alfred Taylor Jr. said the grant is contingent on the ability of Penn State's Campaign for Hershey to raise $9.4 million of its goal by the campaign's scheduled conclusion in October. The campaign kicked off last March and about $8 million in gifts and pledges has been received thus far, according to volunteer campaign chairman J. Lloyd Huck.

"The Kresge challenge grant is great news and should help to encourage other donors to make additional gifts," he said. "I'm confident that we will reach our goal soon." Mr. Huck, a Penn State alumnus and member of the University's Board of Trustees, is former chief executive officer and board chairman of Nova Pharmaceutical Corp.

The campaign, which kicked off last March, has brought in about $8 million in gifts and pledges so far.

The seven-story Biomedical Research Building will contain laboratories for a number of departments, including microbiology and immunology, neuroscience and anatomy, ophthalmology, pediatrics and radiology. The building also will have study areas for medical students. It is expected to open later this year.

The challenge grant is one of 174 grants made by the Troy, Mich.-based Kresge Foundation in 1991 from among 800 proposals it received. Grants typically are made to institutions in the areas of health care, higher education, arts and humanities, sciences, social services, and public affairs. The Kresge Foundation is an independent, private foundation created by the personal gifts of Sebastian S. Kresge. It is not affiliated with any corporation or organization.

Gift of $107,750 from California couple

Graduate fellowship in College of Engineering established

David and **Doris Weindorf** of Los Altos Hills, Calif., have established a fellowship for graduate students in the College of Engineering with a gift of $107,750.

"We are delighted that the Weindorfs are generously supporting graduate education at Penn State," Carl Wolgemuth, acting dean, said. "In today's highly competitive international market, it is ever more important to make graduate study accessible to bright and ambitious students."

The David R. and Doris J. Weindorf Graduate Fellowship in Engineering will be awarded to full-time graduate students on the basis of academic achievement and financial need.

"We wanted to support Penn State engineering and to encourage students going into engineering, especially at the graduate level where the need is the greatest," David Weindorf, a 1950 Penn State electrical engineering graduate, said.

He began his career with Sylvania Electric Products as a product development engineer. Four years later, in 1954, he moved to Hughes Aircraft Co. as a pre-production engineering manager and, in 1958, to Fairchild Semiconductor as manager of pre-production engineering.

After serving as head of product development for Raytheon Semiconductor from 1959-63, David Weindorf joined Hewlett Packard where he worked until he retired in 1986. At Hewlett Packard, he held positions such as chief engineer of semi-conductors, head of semiconductor manufacturing, manager of the components division and manager of the components group.

Penn State seniors pick landmark sign as class gift

Penn State's class of 1992 considers it not only a sign of the times but a landmark for all time.

In voting by class members, an official Penn State landmark sign was chosen as the class gift. The traditional-style structure, which will say "The Pennsylvania State University," will be located at a strategic campus location.

"The Class of 1992 has chosen a project that one day will be as popular as the Nittany Lion Shrine, and will be symbolic of the great traditions of Penn State," said Wendy Forrest, co-chair of the senior class gift committee and a nursing major from Lansford, Pa.

"It will enhance the campus' atmosphere, as well," said co-chair Mike Carrel, an accounting major from Williamsville, N.Y. "It is important that this be a harmonious addition to the campus in every possible way."

The sign received 494 votes, or 36.5 percent of the 1,354 votes cast. This turnout exceeded last year's by 483 votes and was only 24 votes shy of matching the record turnout of 1,378 seniors who voted in 1989.

A proposal to build a flagpole and stone base area at the site of the proposed Convocation Center was second in the voting with 475. A proposal to establish the Class of 1992 annual scholarship received 210 votes, and a contribution for preservation of University Libraries' collections received 175 votes.

Now that a project has been chosen, senior landscape architect John Joseph of the University's Facility Design Services will meet with student leaders, and supervise surveying, site selection and preliminary design. Conceptual drawings will be made public as soon as possible, and the design will be compatible with existing architecture, Mr. Joseph said.

Class of 1992

The class' fund-raising goal is $25,000. Pledge commitments for $19,000 already have been obtained, and construction is expected to begin next fall.

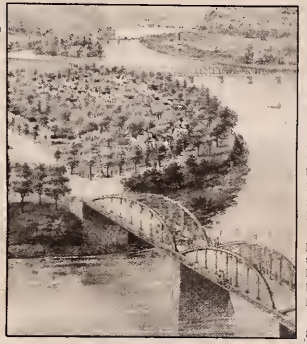
Most of the money is raised by students who donate the balance of their $50 general deposit to the project when they graduate. Students give the deposit to the University when they enroll and the balance is returned when they graduate, similar to a rental security deposit.

The last two senior classes voted to build new paved courtyards at the Creamery. One, on the east side, has been built and the other, on the west side, is under construction.

Other class gifts have included the Nittany Lion Shrine, from the class of 1940, the clock at Old Main's bell tower, from the class of 1904, and the gateway at the intersection of Shortlidge Road and College Avenue, from the class of 1987.

Focus on Research

Renewing ties with rivers can revitalize towns



Once the economic and recreational mainstay of a community, the long-neglected river is enjoying a comeback, according to two University researchers.

"River waterways at one time provided most of the recreation, transportation, utility and waste disposal needs for an urban population," said **Daniel R. Jones**, associate professor of landscape architecture. "Then, as suburbs grew and industry declined or relocated, the rivers declined in industrial importance. People also abandoned recreation on polluted rivers.

"Reconnecting our towns with their rivers can provide a deep sense of stability with major psychological and sociological benefits."

The ecological awakenings of the 1970s meant a respectful new attention to rivers, Professor Jones said. At the same time, the relocation of industry from the downtown riverfront to suburban industrial parks has created new opportunities for towns to reconnect with their rivers.

New water pollution laws have led to rivers cleaner than they have been in decades. Rivers that were little more than open sewers in the 1960s are now quite attractive to regional residents, according to Professor Jones.

"Towns can have riverfront districts filled with temporary, gaudy gimmicks. Or, rivers can be dignified places that invite our respect and reward our attention."

Rivers can enhance the economic development of a city through recreation and tourism, he said. The first step is to provide safe, pleasant places for walking and special events such as concerts or festivals that attract town residents and visitors.

A. Mark Battaglia, professor of landscape architecture, noted that running, jogging and cross-country skiing are natural activities for linear parks and trails that parallel rivers. Professor Battaglia and Jones co-authored the book *Main Street Rivers: Making Connections Between Rivers and Towns.* The book, funded by a grant from the National Endowment for the Arts, received an honor award in 1991 for Excellence in Communication in the area of design communication from the American Society of Landscape Architects, Pennsylvania-Delaware chapter.

"With additional riverfront space, people can enjoy softball, soccer or football," Professor Battaglia said.

Because rivers suggest continuity in a world of change, they can help a community recapture its own unique heritage. "Frontier, logging, canal and industrial eras, though long gone, often have left physical reminders or infrastructures intact, and these can be celebrated," Professor Jones said.

A riverfront is frequently the best place for a memorial dedicated to local individuals or events with outdoor exhibits, markers and statues, augmented with displays of on-site literature and artifacts.

"The design of riverfront spaces for symbolic statements of civic pride or remembrance should use materials, forms and patterns that will endure both physically and symbolically," Professor Battaglia said. "However, saving money by using inexpensive construction materials reveals a lack of long-term commitment."

Professors Jones and Battaglia have studied and photographed many communities that have successfully reconnected with their rivers including Bellefonte, Millersburg and Harrisburg; East Lansing, Mich.; Camden, Maine; and Binghamton, N.Y.

"In these communities, individual initiative, good leadership and the realization that not everything can be done in one tremendous master stroke have made the difference. The people in Bellefonte and East Lansing, for example, carried out their waterway restoration step by step," Professor Jones explained.

The two researchers also are the authors of *A Streambank Stabilization and Management Guide for Pennsylvania Landowners*, published by the Pennsylvania Department of Environmental Resources. The guide won a national award in 1987 from the American Society of Landscape Architects. – **Paul A. Blaum**

Rivers still provide scenic areas for relaxing and enjoying, and add life and a sense of stability to a community as shown in these photos from *Main Street Rivers*.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, March 5. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02232, Stagelighting Supervisor, Arts and Architecture, Department of Theatre Arts, University Park Campus** — Responsible to the faculty member in charge of lighting design for assisting in overseeing the implementation of lighting design for University Resident Theatre Company productions, as well as for the summer professional theatre, for inspecting and coordinating the repair and maintenance of stagelighting equipment and facilities. Requires bachelor's degree in fine arts or related field with an emphasis in stagelighting/technical theatre plus up to one year of effective experience. This is a fixed-term position available from June 1, 1992, through May 31, 1993, with excellent possibility of re-funding. STAFF GRADE 4.

■ **02245, Bookstore Manager, Penn State Bookstore, York Campus** — Responsible to the director, Penn State Bookstore System, for the purchasing, merchandising, and financial aspects in the day-to-day operation of the Bookstore to include supervision of all staff. Consult with campus administration, faculty and staff to determine course requirements, including books and special materials. Keep abreast of new trends in the bookstore industry. Requires bachelor's degree, or equivalent, plus twelve to eighteen months of effective experience in business or retailing. STAFF GRADE 5.

■ **02246, Resident Manager of Graduate Housing, Housing and Food Services, University Park Campus** — Responsible to the director, Housing Services, for the operation of residence halls and apartments for single graduate students and apartments for graduate families, and for the coordination of all assignment activities with the manager, Assignment Office. Requires bachelor's degree, or equivalent, in hotel or institution administration and/or student personnel services or related field plus two to four years of effective experience in student residence hall, family apartment, business or student personnel. STAFF GRADE 7.

■ **02247, Information Technology Associate, University Libraries, University Park Campus** — Responsible to the coordinator of computer based resources and services program for providing training and technical support services to the libraries faculty and staff regarding the implementation and use of microcomputer applications and automated office systems. Requires bachelor's degree, or equivalent, plus two to four years of effective experience in technical training or technical support, strong verbal and written communication skills and the ability to communicate technical information to nontechnical audiences. STAFF GRADE 7.

■ **02248, Program Aide, Senior Vice President for Research and Dean of the Graduate School, Biotechnology Institute, University Park Campus** — Responsible to the program coordinator for coordinating the efforts of internal staff and external organizations to facilitate the planning, promotion, and implementation of Bioprocessing Resource Center program. Requires bachelor's degree, or equivalent, in marketing, communications, or public relations field plus nine to twelve months of effective experience. Some background in science or engineering preferred. This is a fixed-term position funded through October 31, 1992. STAFF GRADE 4.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-6531 by March 5.

■ **10238, Director of Administration, Department of Obstetrics and Gynecology** — Responsible to the chairperson, Department of Obstetrics and Gynecology, for the planning and management of administrative, financial and operational activities of the department including professional reimbursement in conjunction with applicable division directors/chiefs. Requires a bachelor's degree or equivalent in business administration, health services administration, public health (MBA or MHA preferred), plus 4 to 6 years of effective experience. Experience in professional reimbursement or third party reimbursement and research administration, including the preparation of contracts and proposals is necessary. Knowledge of finance and accounting is necessary. STAFF EXEMPT, GRADE 8.

■ **11130, Nurse Manager/University Hospital Department of Nursing/Emergency Department** — Responsible to the assistant hospital director/director of nursing services or the assistant director of nursing services as designated for the operation of the patient care unit, including nursing care activities, the coordination of patient care service, and maintaining acceptable standards of good patient care on a twenty-four hour basis. Requires a bachelor of science degree in nursing or equivalency, plus three to four years of effective experience and licensed to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners. MSN preferred. STAFF EXEMPT, GRADE 7.

■ **11129, Assistant Nurse Manager, University Hospital, Department of Nursing Services/3 Medical-Surgical** — Responsible to the nurse manager — Assigned Nursing Unit, for assistance in handling the day-to-day administration of the Assigned Nursing Unit, assume responsibility in her/his absence. Requires a bachelor of science in nursing from an accredited School of Nursing plus 1-2 years of effective experience and current license to practice as a registered nurse by the Pennsylvania State Board of Nurse Examiners. STAFF EXEMPT, GRADE 6.

U.S. policy adviser to lecture on national trade with Japan

Marjory E. Searing, deputy assistant secretary for Japan in the U.S. Department of Commerce, will deliver a lecture on "Problems in U.S.-Japanese Trade" at 7:30 p.m. Wednesday, March 4, in the auditorium of Kern Graduate Commons at University Park. The public is invited.

Dr. Searing is the Commerce Department's principal policy adviser on the U.S. trade relationship with Japan. She directs the development of economic, commercial and trade policy with Japan, and also manages the department's participation in multilateral trade negotiations.

Dr. Searing holds a doctorate and a master's degree in economics from Georgetown University. Her lecture is the first in a Distinguished Lecture Series on Japan sponsored by the Center for East Asian Studies.

For further information, please contact Parris H. Chang, director of the Center for East Asian Studies, 865-1698 or 863-0970.

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William E. Campbell Jr., Editor
Lisa M. Rosellini, Assistant Editor
Kathy Garman, Calendar

February 27, 1992

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March 5, 1992 Volume 21, Number 24

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Future committee named; hiring freeze is instituted

President Thomas announced today both his appointment of an eleven-member University Future Committee and the institution of a hiring freeze at the University, effective immediately. Exceptions to the freeze will be made only after the approval of the executive vice president and provost, the senior vice president of the unit involved, or the president of the University.

The University Future Committee is charged with advising the president on the need to reorient Penn State's budget and provide opportunities to search for new directions for the University during the present period of fiscal constraint. The hiring freeze, he said, will have the effect of preserving resources now that, hopefully, may be made available as the University goes through the process of developing its 1992-93 operating budget.

"In the process of approving necessary exceptions to the freeze, we will keep a keen eye on our commitment to the recruitment and retention of outstanding women and minorities," Dr. Thomas said.

He said the name for the University Future Committee was chosen to reflect his commitment to continue to move Penn State forward within the fiscal constraints it faces.

"Penn State cannot continue indefinitely addressing its fiscal challenges by instituting broad across-the-board budget reductions," Dr. Thomas continued. "Instead, carefully targeted reductions will be planned, with internal reallocations identified as a resource wherever possible.

"In this process, maintaining and improving the academic quality of this University will be our first priority as we make plans to reconcile the budget in keeping with recommended decreases in the state appropriation for next year and in keeping with the realization that tuition costs at Penn State can no longer rise indefinitely and dramatically."

Dr. Thomas also said he does not anticipate staff layoffs at Penn State.

"We are not planning on firing people," he said. "We hope to tighten the belt on a very lean torso by making reductions through attrition, and possibly through some reallocation of positions as well as resources."

In his charge to the Committee, Dr. Thomas said, he asked that it:

- look Universitywide for possible budget reductions;
- examine and identify ways that internal resources can be reallocated to support programs or activities of special need and opportunity;

See 'Future' on Page 4.

> "Penn State cannot continue indefinitely addressing its fiscal challenges by instituting broad across-the-board budget reductions."
> --President Thomas

Support for the University Libraries is detailed

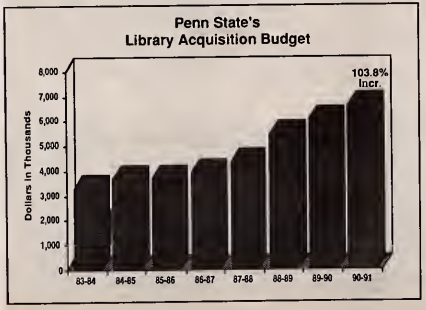
The library is the academic center of any great university. Recent concern expressed about support for Penn State's libraries has stimulated additional investigation into both budget allocations and the University's overall commitment to the library. In the course of these investigations, data were found that show clearly that there has been no deterioration of the University's support or commitment to the University Libraries.

A closer examination of the figures upon which concerns about the library were based reveals a need for clarification about expenditures in both the beginning and ending years cited. In 1984-85, Penn State's library expenditures, as a percent of total University expenditures including restricted funds, were 2.78 percent. Library expenditures of 2.95 percent in 1985-86 were higher than in the two preceding years and the year following due to a special allocation of more than $1 million for equipment and renovation projects.

The figure that has been reported for 1989-90, 2.2 percent, does not take into account the transfer of the budget for library computer operations from the libraries to computer and information systems. Thus, the beginning year of the period of library support in question appears abnormally high and the ending year appears abnormally low in terms of the University's library expenditures.

Further careful examination of Penn State's support for the University Libraries shows that the University has given the libraries priority through the strategic planning process since it was initiated in 1984-85. Like nearly every other area of the institution, the libraries have significant catch up needs resulting from the Commonwealth's underfunding of Penn State over the last two decades. The University Libraries also must address the additional

See 'Libraries' on Page 3.



Big 10 Publics Library Expenditures 1989-90 (Ranked High to Low)

Michigan	$22,394,006
Wisconsin	21,844,945
Minnesota	21,836,149
Penn State*	**18,957,199**
Illinois	18,520,182
Indiana	18,376,165
Ohio State	16,813,196
Michigan State	12,481,402
Iowa	11,613,622
Purdue	9,691,456

*Corrected to include library computing.

Focus on Diversity

Center for Minority Staff Development

Pittsburgh native appointed mentor

Cynthia L. King

Cynthia L. King has been appointed director/senior mentor of the Center for Minority Staff Development. She will be responsible for the design of courses and programs aimed at attracting and retaining minority staff.

The Center for Minority Staff Development, one of the first in the nation, was established in 1991. It is organized specifically to help minority non-academic staff at Penn State to foster professional development and acquire coping strategies for working and living in a predominately mono-cultural environment.

A native of Pittsburgh, Ms. King joined Penn State in 1977 as assistant to the dean of students at the McKeesport Campus. She held several other University positions, including assistant dean of minority admissions and assistant director of undergraduate admissions.

In 1989, she worked as a graduate research associate in the Pennsylvania House of Representative's Legislative Office for Research Liaison, serving as the primary education researcher on issues critical to the formation of state legislation.

She has served on numerous University search committees and assisted with the development of many courses and programs designed to attract and retain minority staff. She also served as a consultant in the formation of the Center for Minority Staff Development.

Ms. King received her bachelor of science degree in elementary education in 1974 and master's in curriculum and supervision in 1984 from the University of Pittsburgh. She earned a master's of public administration degree in 1988 from Penn State and currently is pursuing a doctorate in higher education.

WPSX-TV to air musical special featuring Natalie Cole

Natalie Cole comes by her father's music honestly. Growing up in the Nat King Cole household, she was constantly exposed to his music, and her stage debut at age 11 was in one of his productions at the Greek Theater in Los Angeles.

She has celebrated her connection to him and his music in the critically acclaimed album "Unforgettable," in which she sings a collection of her father's trademark songs. Now she is starring in a *Great Performances* special "Unforgettable, with Love: Natalie Cole sings the Songs of Nat King Cole," a musical valentine to her legendary father.

Filmed during her January concert tour, the special airs at 8:10 and 9:45 p.m. Tuesday, March 10, as a part of WPSX-TV's Festival '92 pledge drive.

Accompanied by a jazz quartet and a big band orchestra, Natalie Cole sings such Cole favorites as "Mona Lisa," "Ballerina," "Autumn Leaves," and, of course, "Unforgettable."

Ms. Cole calls the job of recording and performing these songs "an enormous task," both emotionally and materially. She is aware of the significant influence of her father's songs on the people who grew up listening to them and felt especially challenged to recapture his spirit—a spirit that influenced a generation.

From Nat King Cole's extensive catalog, she tried to pick what she thought were the right songs, the ones that appeal to the heart.

"There's a connection between the ear and the heart," she said. "I've always felt that music has a language all its own. The heart just understands."

Natalie Cole, then (left) and now (above). She pays tribute March 10 to her legendary father, Nat King Cole.

Project to heighten awareness of contributions made by women

The Penn State Worthington Scranton Campus has implemented a new initiative in women's programming that has as one of its goals the promotion and integration of women's history into public school teaching.

The endeavor, "WOMAN: Telling Her Story," is part of the campus' efforts to heighten community awareness of the significant contributions that women make both nationally, and in the campus area.

The cultural diversity project is being coordinated by **Maureen Worthington**, adult studies/women's program coordinator at the campus.

According to Ms. Worthington, "WOMAN: Telling Her Story" is a multi-faceted program which seeks to introduce women, from junior high age and beyond, to women who have influenced their lives."

She currently is working with four area school districts to share information on integrating women's history into existing history and social science curriculum. In March, there will be an opportunity for history department chairs and teachers from high schools in Lackawanna County to attend a workshop at the Worthington Scranton Campus that will feature Molly M. MacGregor, the executive director of the National Women's History Project based in Santa Rosa, California.

An additional feature of the school outreach component of "WOMAN: Telling Her Story" is the creation of a Women's History Resource Library that will be based in the Campus Library. The resources will include curriculum guides, reference materials, and fiction for individuals from kindergarten through adult.

Future endeavors in the "WOMAN: Telling Her Story" project include: Cooperation with the Lackawanna County Commission for a women's history essay contest open to all 11th grade Lackawanna County students. The project will culminate with a county-wide celebration of women's contributions throughout our history.

Diversity Opportunities ❦ Calendar ❦

Tuesday, March 10
Men of Color of Central Pennsylvania, noon to 1 p.m., Nittany Lion Inn. General meeting.

Saturday, March 21
Center for Minority Faculty Development, 9 a.m. to noon, 313 Kern Graduate Building. Vitae development is the sixth in a series of faculty development workshops. James Stewart, vice provost, will be the speaker. To make reservations, contact Leah Witzig at 863-1663 by Wednesday, March 18.

Support for the University Libraries is detailed

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challenges faced by research libraries today–challenges brought on by the knowledge explosion and advances in information technology, as well as by spiraling publications costs that far exceed the rate of general inflation. Meeting these challenges continues to be an important priority for Penn State.

Peer Comparisons

Data reporting that the level of Penn State's support for its libraries has declined significantly in recent years show a misleading profile of the University's library expenditures over time and when compared to peer institutions. These data, compiled by the Association of Research Libraries (ARL), report institutional library expenditures as a percent of total university educational and general expenditures, including restricted funds for grants and contracts. A closer look at the ARL data for Penn State show that:

– The ARL index does not reflect comparable expenditure figures at Penn State over time, due to a transfer of library computing from the libraries budget to computer and information systems.

– The ARL data do not reflect the University's tremendous growth in research funding relative to other institutions.

– Penn State's pattern of library support, when corrected for these considerations, is in line with other Big 10 public institutions.

– The dollar amount of Penn State's total annual library expenditures is the fourth highest among Big 10 public universities.

– Corrected figures also show Penn State's allocations for the University Libraries are at the level recommended by the University Faculty Senate.

Transfer of library computing costs

Prior to 1988-89, allocations for library computing at Penn State were included in the University Litraries budget and therefore appropriately included in the library expenditures reported to the ARL. In 1988-89, library computing was transferred from the University Libraries to the Office of Computer and Information Systems to take better advantage of advances in technology. These figures were erroneously omitted in the library expenditures reported to the ARL, even though the purpose of these funds was to support the LIAS system in the University Libraries.

Penn State's total library expenditures as a percent of the total University budget were actually higher in 1988-89, 1989-90, and 1990-91 than the ARL figures indicate. When library computing is included, the percents are 2.35, 2.42, and 2.47 respectively for these years. Based on the corrected figures, support for Penn State's University Libraries last year was virtually at the level of 2.5 percent recommended by the University Faculty Senate at its February 1992 meeting.

Growth in research funding

Penn State's record of support for the library compared to those of other institutions is not accurately reflected in data based on total university expenditures because of substantial differences in the growth of restricted funds in total university budgets.

From 1984-85 to 1989-90, Penn State's research funding–restricted funds from grants and contracts–grew 226 percent. The average growth in research funding for the other Big 10 public universities for the same period was 167 percent. If Penn State's total budget for 1989-90 were adjusted to reflect the average research growth of these Big 10 peers, the University's support for the library, as a percent of that adjusted total budget, would be 2.57 percent. This figure would move Penn State to the level of Wisconsin and Minnesota and leave only four of the eleven schools with a higher percentage.

Trends over time

Looking at library support over time, seven of the Big 10 public universities experienced a decline from 1984-85 to 1989-90 in library expenditures as a percent of the total budget.

In Penn State's case, library support as a percent of the total budget held fairly constant from 1983-84 to 1986-87. The increase apparent in 1985-86 was due to a one-time allocation of more than one million dollars for equipment and renovations. Library expenditures as a percent of the total budget began to decline in 1987-88, about the same time when Penn State research activity began to increase substantially. As a result of the rapid growth in grants and contracts, real spending increases for the University Libraries are overshadowed when viewed as a percent of the total budget. Since 1989-90, Penn State's library expenditures as a percent of the total budget have progressively increased.

When research grants and contracts are omitted from the baseline, Penn State's support for the University Libraries, as a percent of the general funds budget, grew from 2.95 percent in 1984-85 to 3.27 percent in 1989-90.

Library Allocations

The increasing proportion of the general funds budget devoted to the University Libraries reflects the priority the libraries have received through the strategic planning and budgeting process. A total of $4.6 million in new permanent allocations were made to the libraries from 1984-85 through 1991-92, and an additional $6 million in funding was provided for one-time expenditures for acquisitions, library computing equipment, renovations, and other needs during that time period.

Library acquisitions

The library acquisitions budget has been a particular concern, given costs for library materials and especially foreign publications that are rising far above the rate of general inflation. The University has made extraordinary efforts to keep pace with library material inflation. The permanent library acquisitions budget has more than doubled during this period, increasing from its 1983-84 base of $3.3 million to more than $6.7 million in 1991-92.

Litrary computing

In addition, library computing has received approximately $300,000 in permanent funding and $4.4 million in temporary funding from 1984-85 to 1991-92 to meet the increasing need for information technology to access library materials. Penn State's early and continuing commitment to library computing has made the University a leader in this area. As a result, the LIAS system is recognized as a nationwide model.

See 'Libraries' on Page 4.

Penn State Library Expenditures as a Percent of University Educational and General Expenditures As Reported to the Association of Research Libraries (ARL) and PSU Corrected

	ARL Report	PSU Corrected
1983-84	2.8%	2.82%
1984-85	2.8%	2.78%
1985-86	2.9%	2.95%
1986-87	2.8%	2.79%
1987-88	2.5%	2.53%
1988-89	2.3%	2.35%*
1989-90	2.2%	2.42%*
1990-91	2.2%	2.47%*

*Corrected to include library computing.

Big 10 Publics Library Expenditures as a Percent of University Educational and General Expenditures

	1989-90
Indiana	4.90%
Illinois	2.84%
Iowa	2.69%
Michigan	2.61%
Minnesota	2.57%
Wisconsin	2.57%
Penn State	2.42%*
Ohio State	2.23%
Michigan State	2.14%
Purdue	2.08%
Average Big 10 Publics	2.61%

*Corrected to include library computing.

University Libraries

Continued from Page 3.

Other support
The University Libraries also have received new permanent funding for faculty and staff positions, programs and operational support, and extended hours, amounting to nearly $900,000 since 1984-85.

Private Support

The University Libraries also have benefitted from increasing private support in recent years. Total giving to the libraries from 1984-85 through January 31, 1992 was more than $9.5 million. The Paterno Library Endowment, valued at $2.4 million as of January 31, 1992, plays an important role and was a major outcome of The Campaign for Penn State.

The Annual Fund for Academic Excellence continues to give visibility to the University Libraries needs. Nearly two out of three alumni solicited via direct mail are encouraged to consider a gift to the libraries as well as their college or campus. In Telefund calling, the University Libraries are strongly suggested as a choice to donors who are uncertain as to how to designate their gifts. Through these efforts and the activities of the Director for Development for the University Libraries, the libraries have built up a pool of annual donors from fewer than 500 in 1984-85 to approximately 2,500 today. The University actively continues to pursue private giving to the libraries.

Penn State's success in private fund-raising for the libraries surpasses many of its peers. Among Big 10 public universities reporting library endowment income data in a recent survey, the Penn State University Libraries rank first by a substantial margin.

Library Facilities

Penn State's multi-campus system poses a special challenge in meeting the demand for library facilities to serve the academic community. The need for library facilities is considered as part of the planning process that identifies the University's overall capital needs and determines physical plant priorities.

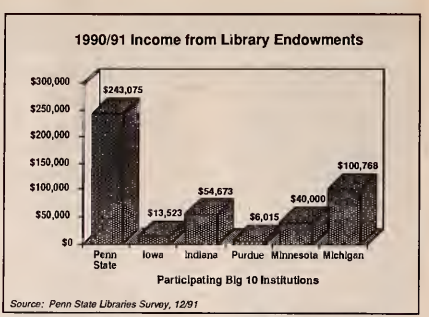
As a result of that process, a new library is under construction at Penn State Behrend. This facility is being built with $9.7 million in state funding. The design for a state-funded library at the Schuylkill Campus has been completed, and this $2.6 million project is ready for construction bids. A new library is about to open at The Hershey Medical Center.

Resolution of the urgent space needs of Pattee Library at the University Park Campus still awaits the release of $19.8 million in state funding for a library addition approved by the Commonwealth in 1988. President Thomas has pledged to the Governor that the University would provide matching funds to leverage the release of state funding for this critically needed addition.

In addition, through the University's new capital improvement plan, the University Libraries at University Park have $2.1 million in projects, including enhancement of Pattee's air conditioning system and refurbishment of the Pollock Library.

A new library for Penn State Harrisburg remains the number one priority in the University's capital budget request to the state for 1992-93. This project had been approved by the General Assembly in November 1990, but was bluelined by the Governor.

New library space is included in ten other projects at six campuses identified in Penn State's capital budget request to the Commonwealth for the next five years.



Source: Penn State Libraries Survey, 12/91

The Library of the Future

Despite these successful efforts, Penn State's University Libraries continue to rank low in peer comparisons of volumes, staff, and space on a per full-time-equivalent student basis. This is due in part to Penn State's unique organization with 22 campuses, but also is a reflection of the University's underfunding. Making up for ground lost over a prolonged period of state underfunding is a long-term undertaking at best, made more difficult with the onset of new University funding constraints.

As Penn State plans for the future of its libraries, however, these traditional measures of library quality may no longer be adequate criteria for library success. For example, the University Libraries strategic plan update for 1992 notes that "there is scant evidence that a statistical fit with other research libraries would better serve the specific needs of Penn State faculty and students." Rather than focusing on catching up with the status quo, the Penn State libraries have put forward a strategy based on first, the major economic changes occurring in scholarly publishing and research, and second, increasing electronic access to a wide range of library materials. To better position Penn State to meet the changes in information exchange and scholarly communication, the University Libraries strategic plan emphasizes human resources and technology, in keeping with its vision of library collections in the future.

Penn State's Ongoing Commitment to the University Libraries

This additional data is provided to clarify and reemphasize the continuing commitment Penn State has to ensuring that support for the libraries remains among its highest priorities. According to President Thomas, it is a commitment that will endure even in the face of the present fiscal constraints.

Future

Continued from Page 1.

• identify for recommendation to him selective budget reductions in a manner that builds on strengths and places academic quality as the first priority;

• work with the principle that selective budget reductions must not only meet current needs, but also should provide resources for enhancement of programs of highest quality;

• work in a collaborative, collegial framework.

Dr. Thomas noted that the need to act in concert with current economic conditions is being felt by other groups, including the Big Ten.

"The Big Ten already is out front in developing plans to address budget problems that are affecting every aspect of the universities," he said. "At its last meeting, the Big Ten presidents asked the athletic directors of all the institutions to develop plans for a budget reduction of 20 percent over the next five years."

Members of the Committee are: **John A. Brighton**, executive vice president and provost, Chair; **Julien F. Biebuyck**, associate dean for academic affairs at The Milton S. Hershey Medical Center; **Barton W. Browning**, associate professor of German; **E. Emory Enscore**, professor of industrial engineering; **J.D. Hammond**, dean of The Smeal College of Business; **Hina Kahn**, Commonwealth Student Government representative; **Eva J. Pell**, distinguished professor of plant pathology; **Gary C. Schultz**, assistant vice president for finance and operations; **James F. Smith Jr.**, professor of English and American studies at Penn State Ogontz and chair-elect of the University Faculty Senate; **James B. Stewart**, vice provost; **Susan Welch**, dean of the College of the Liberal Arts.

Dr. Thomas said that Dr. Brighton was appointed as chair of the committee because of his role as chair of the President's Planning and Budget Advisory Committee, as well as his involvement in the University's strategic planning process and continuous quality improvement program.

Staff serving the University Future Committee are: **P. Richard Althouse**, University budget officer; **Stephen R. Curley**, financial officer and staff assistant; **G. Gregory Lozier**, executive director of planning and analysis, and **William M. Mahon, III**, director of public information.

Construction project

The state Department of General Services will begin the construction of water and electrical lines underneath Atherton Street at University Park, starting sometime in mid-March up to early April.

The construction is expected to last three or four months. Traffic on Atherton Street between the campus gates and Park Avenue will be reduced to one-lane in each direction.

At the campus main gates, the northbound right-hand turning lane from Pollock Road onto Atherton Street will be closed during the three-or four-month period.

During the construction period, there will be no vehicle access to the north side of the Noll Lab parking lots and the golf shop parking lot.

Parking will be limited in the Red A parking lot on Atherton Street, next to the golf course, due to the construction.

Conference focusing on W.E.B. DuBois scheduled

Philosophers, biographers and other scholars in African American Studies will meet at University Park on Friday and Saturday, March 20 and 21, for a national conference on the African American 19th-century intellectual, W. E. B. Du Bois.

"The Thought of W. E. B. Du Bois" conference, sponsored by the Department of Philosophy, will be held in the Paul Robeson Cultural Center. All lectures are open to the public.

Born in Massachusetts in 1868, William Edward Burghardt Du Bois was educated at Fisk, Harvard and Berlin and became famous for his writings as a social philosopher, sociologist, historian, novelist, educator and social activist.

University faculty participating are: **Bernard Bell**, professor of English, **Cyril Griffith**, associate professor of history, **James Stewart**, vice provost and professor of labor studies, **LaVerne Gyant**, interim director of the Black Studies Program and **Emily Grosholz**, associate professor of philosophy and conference coordinator.

Joining them are the following visiting scholars.

Arnold Rampersad will give the keynote address, "Du Bois, Race and the Making of American Studies," at 2 p.m. Friday, March 20.

Named a MacArthur Fellow in 1991, Dr. Rampersad is Woodrow Wilson professor of literature and director of American Studies at Princeton. He has redefined the direction of the African-American biography in his major biographies of W. E. B. Du Bois, and Black poet Langston Hughes.

Manning Marable is professor of political science and history with the Center for Studies of Ethnicity and Race in America at the University of Colorado at Boulder. The most recent of his eight books is *Race, Reform and Rebellion: The Second Reconstruction in Black America, 1945-1990*. He serves as an adviser to members of the U.S. Congressional Black Caucus on Public Policy.

Bernard Boxill, professor of philosophy at the University of North Carolina at Chapel Hill, is the author of *Blacks and Social Justice*. **Lucius Outlaw**, professor of philosophy at Haverford College, is chair of the Committee on Blacks in Philosophy of the American Philosophical Association. His writings focus on the concept of race.

Wilson Moses, professor of English and history and director of the African-American Studies Program at Boston University, is the author of four books. The most recent is *Alexander Crummell: A Study of Civilization and its Discontents*, a biography of the 19th-century founder of the American Negro Academy.

William Lawson, assistant professor of philosophy at the University of Delaware, is the author of the forthcoming book, *Between Slavery and Freedom: Philosophy and American Slavery*.

During the conference, the Rare Books Room in Pattee Library will exhibit autograph material, first editions and memorabilia related to the work of Du Bois.

The conference also is sponsored by the College of the Liberal Arts, the Office of Research and the Graduate School, the Equal Opportunity Planning Committee, the Institute for the Arts and Humanistic Studies, the Office of Undergraduate Education, the Black Studies Program, the Rare Books Room, the Paul Robeson Cultural Center, and the Departments of Political Science, Speech Communication, English, History, and Sociology.

The conference schedule:

Friday, March 20

– 1:30 p.m., Introduction by Susan Welch, dean of the College of the Liberal Arts. The moderator of Friday's sessions is Cyril Griffith.

– 2 p.m., keynote address, "Du Bois, Race and the making of American Studies," Arnold Rampersad.

– 3:30 p.m., "In Search of a Theory of History: Du Bois's Theory of Social and Cultural Dynamics," James Stewart.

– 4:30 p.m., "Du Bois and the Vision of Africa," Manning Marable.

Saturday, March 21:

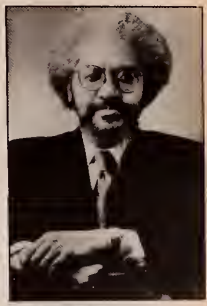
– 11:00 a.m., "Du Bois and the Idea of Cultural Pluralism," Bernard Boxill. Moderator for the morning sessions will be LaVerne Gyant.

– 12 p.m., "Du Bois, Natural Law and Social Progress," William Lawson.

– 2:30 p.m., "Du Bois's 'On the Conservation of Races,' " Lucius Outlaw. Afternoon sessions will be moderated by Wilson Moses.

– 3:30 p.m., "The Philosophical Legacy of Du Bois's Double Consciousness," Bernard Bell.

– 4:30 p.m. "Nature and Culture in Du Bois's 'Souls of Black Folk' and 'Quest of the Silver Fleece,' " Emily Grosholz.



Manning Marable

News in Brief

Road closing
The south driveway of Eisenhower Auditorium, near Shortlidge Road and the new Classroom/Office Building at University Park, will be closed beginning March 4 for six to eight weeks. The entrance will be blocked by heavy equipment for the construction of the parking garage.

Starting March 9 for up-to eight weeks, there will be traffic delays on Shortlidge Road because of the use of tractor trailer equipment.

Actors sought for project
WPSX-TV is seeking actors for a project, scheduled for national distribution, for the American Dietetic Association.

For information on character descriptions and audition times, contact Jack Eggert, producer/director, WPSX-TV, Center for Instructional Design, at 865-1083, before March 10.

Educational Office Personnel
Pat McDannel, programs administrator, Centre County Office of Aging, will present a program titled, "Elderly Care for the Aging Parent," at a meeting of the Penn State Chapter of Educational Office Personnel at 12:10 p.m. Wednesday, March 11, in 258 Hammond Building at University Park.

Faculty-Staff Night
The Penn State Men's and Women's Gymnastics teams will be saluting the University faculty and staff with a Faculty-Staff night on Saturday, March 21.

Each faculty-staff member and a guest will be admitted free to the women's meet against U Mass, W. Virginia, and New Hampshire at 2 p.m. and the men's competition against Brigham Young at 7:30 p.m. Staff ID is required.

Health Services hours
During Spring Break, University Health Services will maintain the following hours:

Outpatient Department and Women's Health Department: March 6, close at 6 p.m.; March 7 and 8, closed; March 9-13, 8 a.m. to 5 p.m.; March 14 and 15, 1 to 5 p.m. 24-Hour Observation Unit: Closed 6 p.m. March 6 until 1 p.m. March 15.

University Ambulance will continue to provide 24 hour-a-day service during this period.

Philadelphia Inquirer editor to visit as part of new program

Gerald Jordan, assistant city editor at the Philadelphia Inquirer, will be discussing real- life reporting and editing issues with University journalism students as part of a new Philadelphia Inquirer Professional in Residence program.

His weeklong visit, between March 16 and 20, is sponsored by the Inquirer and the School of Communications. Under the professional in residence program, the Inquirer will send an editor or reporter to Penn State each year for a week of classes and individual discussions with students.

"We are very excited about the opportunity for our students to learn from the top professionals in the field," said **Brian Winston**, dean of the School of Communications. "The Philadelphia Inquirer has been a major national force for social change through its award-winning articles and outstanding journalism."

"Knight-Ridder Newspapers, the parent corporation of the Inquirer, and the Philadelphia Inquirer are enthusiastic about this program at Penn State, one of the best journalism schools in the country," said **Maxwell King**, editor of the Inquirer. "We believe that it is an important commitment to our communities at large to assist in the education and training of future journalists."

As assistant city editor, Mr. Jordan supervises a team of seven reporters who report on neighborhoods in Philadelphia. Prior to his current position, he was assistant metropolitan editor for administration, a suburban editor, a Washington, D.C., correspondent and features reporter for the Inquirer.

He also has been a television and radio critic, editorial writer and a sports writer for the Kansas City Star and an editorial writer for the Boston Globe.

He earned a bachelor's degree from the University of Arkansas and a master's degree from Northwestern University. He was a 1982 Nieman Fellow at Harvard University.

Intercom schedule

Intercom will not be published during Spring Break. The next issue of *Intercom* will be March 19.

1992 Russell Marker Lecture

Astronomer scheduled to speak March 16-18

Sandra M. Faber

Sandra M. Faber, astronomer and professor of astronomy and astrophysics at the Lick Observatory, University of California at Santa Cruz, will present the 1992 Russell Marker Lectures in Astronomy and Astrophysics March 16-18 at University Park.

The three-lecture series, "Advances in Optical Astronomy," is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Velocity Flows and Large-Scale Structure in the Local Universe," 8 p.m. Monday, March 16, Keller Conference Center Auditorium; "Nuclei of Galaxies as Observed with the Hubble Space Telescope," 4 p.m. Tuesday, March 17, 110 Wartik Laboratory, and "Keck Observatory: The New 'Big Eye,'" 4 p.m. Wednesday, March 18, 110 Wartik Laboratory.

Dr. Faber is considered one of the world's leading astronomers. Her research focuses on understanding the origin and nature of the universe. Her early work involved studying elliptical galaxies, the oldest stellar populations in the universe, with a particular emphasis on determining their ages, chemical compositions, and star-formation histories.

More recently, she has been involved with several national and international research projects. As a member of the Hubble Space Telescope Wide Field Camera Team, she and two colleagues discovered and diagnosed the telescope's widely publicized optical flaw. Since making the discovery, she has been using HST to image galactic nuclei and is assembling new evidence that some of the nuclei may actually contain massive black holes.

In recognition of her achievements, Dr. Faber was awarded the 1978 Bart J. Bok Prize from Harvard University for "significant contribution to research of galaxies" and the 1986 Heineman Prize of the American Astronomical Society. In 1984, Science Digest listed her among its 100 Brightest American Scientists under the age of 40.

An elected member of the National Academy of Sciences and the American Academy of Arts and Sciences, she also is a member of the International Astronomical Union and the American Astronomical Society.

Her lifelong interest in science and intense curiosity about the universe led her to earn a bachelor's degree in physics, with minors in mathematics and astronomy, at Swarthmore College in 1966 and a doctoral degree in astronomy at Harvard University in 1972. To honor its distinguished alumna, Swarthmore presented Faber with an honorary doctor of science degree in 1986.

In 1972, Dr. Faber joined Lick Observatory as an assistant professor and assistant astronomer. She was promoted to associate professor and associate astronomer in 1977 and to professor and astronomer in 1979.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in the chemical sciences, evolutionary biology, genetic engineering, the mathematical sciences, and the physical sciences.

Stone Memorial Lecture

Harvard professor of biology included in spring lecture series

Richard Losick, professor of biology at Harvard University, will present the 1992 Stone Memorial Lecture at 4 p.m. Monday, March 16, in Room 112 Chambers Building at University park.

The lecture, "Establishment of Cell Type in a Simple Differentiating Organism," is sponsored by the Department of Molecular and Cell Biology and is free to the public.

Dr. Losick's research focuses on a fundamental problem in differentiation; how one cell type gives rise to distinctly different types of cells. His studies have exploited the power of simple microbial systems, particularly the spore-forming bacterium B. subtilus.

A member of the Harvard faculty since 1971, he served as chairman of the Department of Cellular and Developmental biology from 1984 to 1987.

The Stone Memorial Lecture honors Robert W. Stone and is made possible through gifts to the Robert W. Stone Memorial Lecture Fund. For 23 years, he was head of the microbiology department, which in 1979 merged with the biophysics and biochemistry departments to form the present Department of Molecular and Cell Biology.

The Department of Molecular and Cell Biology has coordinated a 1992 program of spring lectures aimed at providing new insight into fundamental mechanisms that regulate growth and differentiation during bacterial, animal,and human cell development. The series includes the Russell Marker Lectures in Genetic Engineering, sponsored by the Eberly College of Science, April 20-23, as well as the Stone Memorial Lecture, March 16; the Pollard Lecture, March 23; and the Molecular and Cell Biology Lectureship, April 27.

University Park now able to recycle more types of paper

The University Park community is now able to recycle more kinds of paper. The new paper sort, called Mixed Office Paper, can be put in the blue recycling barrels along with the white ledger and computer paper currently in the recycling program. Mixed office papers now added to recycling include:

Colored paper; magazines; all envelopes (including inter-office); junk mail and brochures; glossies; card stock; soft-cover, bound books and booklets, catalogs, and bulletins not printed on newsprint; composition books; fax paper; non-metallic wrapping paper; Post-it notes, and NCR paper and forms.

"We have been attempting to include these items in our program since its inception," says **Phillip R. Melnick**, manager of support operations and special programs for the Office of Physical Plant.

"The Centre County Solid Waste Authority knows it is important to the University to be able to include mixed office paper in our recycling program and has recently secured a market for us."

Corrugated cardboard boxes, aluminum and metal cans will continue to be collected separately.

The following materials are expressly excluded from the mixed office paper recycling:

Newsprint; cardboard boxes; paperboard and paperboard cartons, including pizza boxes; paper towels and plates; telephone books; paper and plastic bags; carbon paper and blue prints.

PENN STATE RECYCLES

The Office of Physical Plant estimates that more than 3,000 tons of mixed office paper is used on campus each year. The short-range goal of the recycling program will be to collect half of that amount. While this new recycling initiative offers great potential to remove waste from the landfill, it is very important that only acceptable materials are put in the recycling barrels.

"The University faces stiff penalties of up to $200 per ton for contaminants that have to be removed from recycled material we deliver to the recycling center, Mr. Melnick said.

Alumnus played key role in Desert Storm

Gen. Pagonis to be recognized as Alumni Fellow

Lt. Gen. William G. "Gus" Pagonis, the logistics wizard of Operation Desert Storm, will be honored March 24-27 as a Penn State Alumni Fellow.

Gen. Pagonis, an alumnus of The Smeal College of Business Administration, will meet University students and faculty during his three-day stay at University Park, sharing his expertise in strategic planning and in managing supply and personnel deployment.

Gen. Pagonis will be formally recognized as an Alumni Fellow by President Thomas in ceremonies to be held in the Nittany Lion Inn on March 26. On March 24, he will kick off his visit to the University by delivering the inaugural Spisak Lecture in Business Logistics in the auditorium of the Kern Graduate Center at 7:30 p.m.

During the 1991 Persian Gulf War, Gen. Pagonis managed the enormous task of shipping $25,000 troops and 10.5 million tons of equipment and supplies to the Middle East in record time as the U.S. and its allies prepared to respond to Iraq's aggression in Kuwait.

In doing that, he accomplished in three to six months what it took six to eight years to do in Vietnam. Reportedly more cargo was shipped in the first six weeks of the operation than in the entire 65-week Berlin Airlift.

Understanding that an army travels on its stomach, the general set up desert hamburger and hot dog stands to provide troops a break from rations. He also established "five-star" truck stops—complete with dining facilities and showers—to keep up the morale of soldiers delivering vital supplies.

President George Bush recognized the Penn State alumnus' accomplishments and nominated him to receive the third star of a lieutenant general. On Feb. 15, 1991 allied commander Gen. Norman Schwartzkopf formally promoted Gen. Pagonis at an airfield in Saudi Arabia.

A native of Charleroi, Pa., he began his U.S. Army career soon after earning a B.S. in business logistics at Penn State in 1964. Rising to the rank of captain, he served two tours of duty in Vietnam and was twice decorated for successfully leading his troops out of enemy ambushes. Returning to the United States, he undertook graduate studies in the Smeal College and, in 1970, received his MBA.

Immediately prior to Desert Shield/Desert Storm, Gen. Pagonis held peacetime assignments as director of transportation, energy and troop support with the Army's Office of the Deputy Chief of Staff for Logistics, Washington, D.C., and as director (J-4) of the United States Forces Command, Fort McPherson, Ga. Having overseen the U.S. demobilization in the Middle East, he recently returned to the United States and was expected to be stationed in Washington, D.C.

Lt. Gen. William "Gus" Pagonis

Pennsylvania Center for First Amendment established

The School of Communications has established The Pennsylvania Center for the First Amendment at University Park.

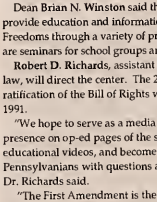
Dean Brian N. Winston said the center's purpose is to provide education and information about First Amendment Freedoms through a variety of programs and services. Planned are seminars for school groups and community organizations.

Robert D. Richards, assistant professor of journalism and law, will direct the center. The 200th anniversary of the ratification of the Bill of Rights was celebrated on Dec. 15, 1991.

"We hope to serve as a media resource center; establish a presence on op-ed pages of the state's newspapers; produce educational videos, and become an informational source for Pennsylvanians with questions about the First Amendment," Dr. Richards said.

"The First Amendment is the cornerstone of the democracy, yet it faces turbulent times. Some of the turbulence stems from a lack of understanding.

"In a time when the merits of the First Amendment are constantly being debated, knowledge is essential. Providing that knowledge to the electorate, to potential jurors, and to those wishing to petition the government embraces the central mission of the center."



Dr. Richards is actively pursuing funding for the center's programs. For more information, contact him at 814-863-1900.

New Kensington Campus

Helping train future workers

The Penn State New Kensington Campus is heading a new partnership with area school districts, businesses and industries to help train America's future workers.

Funded by a potential three-year $700,000 federal grant, including $223,000 already in place for the first year, the Career-Technical Education Partnership Program will create a new option for western Pennsylvania high school students interested in several business and technology fields. A curriculum will be developed to help students improve their math, science and communications skills while participating in business and technical courses during their junior and senior years.

"The development of C-TEPP is a very important educational development for this region of the Commonwealth," **President Thomas** said. "The commitment of businesses and industries, such as Alcoa, PPG Industries, Westinghouse and Allegheny Ludlum, is central to the success of this promising partnership."

"Nearly 80 percent of the new jobs in western Pennsylvania will require an associate degree," **Robert Arbuckle**, campus executive officer of the New Kensington Campus, said. "The preparation provided by C-TEPP will allow participating students to move easily into college-level associate degree programs in agricultural studies, engineering technology, hotel and restaurant management, or business."

The technical preparatory program is intended to involve thousands of students from 13 school districts and three vocational-technical schools in the Allegheny-Kiski Valley, which includes parts of four counties: Allegheny, Armstrong, Butler and Westmoreland.

C-TEPP's objectives include:

- Developing a curriculum that leads efficiently to an associate degree and prepares students for careers in the high-tech and service industries;
- Increasing the number of economically and educationally disadvantaged students who graduate from high school by helping them with vital math, science and communication skills;
- Developing cooperative arrangements with local business and industry that will emphasize the importance of and increase participation in the associate degree-programs leading to careers in high-tech and service industries.

C-TEPP will be implemented in two steps with the first involving eight school districts in cooperation with Northern Westmoreland Area Vocational Technical School and Lenape Vocational High School in Armstrong County. The school districts are: Apollo-Ridge, Armstrong County, Burrell, Franklin Regional, Freeport Area, Kiski Area, Leechburg and New Kensington/Arnold.

The second step will involve four school districts which cooperate with Forbes Road East Area Vocational Technical School in Allegheny County. They are Allegheny Valley, Gateway Highlands, Plum Borough and Riverview.

"Curricula will differ within each school district but will share the common theme of developing math, science and communications skills while introducing students to a specific business and technical interest," Dr. Arbuckle said.

"Our campus is well positioned to prepare students for these jobs now. With the implementation of C-TEPP, future students will be able to move efficiently through a two-plus-two curriculum beginning in high school and acquire the skills necessary to succeed in today's high-tech society."

Focus on the arts

Coal Collection

The exhibit, "Coal Collection Treasures from the Historical Collections and Labor Archives," will be on display in Pattee Library's Main Lobby from March 2 through May 22.

The exhibit features items from more than a dozen archival collections relating to the American coal industry, coal communities and the United Mine Workers of America.

Photo exhibit

Anne Trevino is exhibiting black and white photographs in a show titled "Imagery of Personality" at the HUB Art Alley Panels at University Park through March 15.

Ms. Trevino's subjects are primarily people who have caught her attention because they seem to have a certain "spiritual" aura about them.

The arts on Channel 3

"Everybody Dance Now," airing at 8:15 p.m. Monday, March 9, on Great Performances, on WPSX, explores the exciting new generation of dancers and choreographers whose work in music videos has changed the way the world moves.

Today, music videos are the closest many Americans ever get to the formal art of dance, and for young dancers and choreographers, videos are offering the opportunities once provided by movie musicals and TV variety shows.

The program presents a full spectrum of dance in music videos, from street performer Mr. Wiggles, Crazy Legs and voguer Willi Ninja to superstars Michael Jackson, James Brown, Paula Abdul, Hammer and the C & C Music Factory who continue to break fresh ground in music video choreography.

At 9:30 p.m. Monday, film director Spike Lee and actress-director Debbie Allen lead a joyous musical tour of unaccompanied vocal harmony filmed in the street, hallways and basements of Brooklyn in "Spike & Co." Do It A Capella." The program culminates in a concert from the stage of the Brooklyn Academy of Music's Majestic Theater featuring such world-class a cappella groups as Grammy-winners Take Six and Ladysmith Black Mambazo.

Colloquium scheduled

Paul Bolin, assistant professor of art education, will present the colloquium, "Levels and Contexts: A Need for Multiplicity in Historical Investigation," at 6:30 p.m. Monday, March 16, in 102 Chambers Building at University Park.

The colloquium, sponsored by the Art Education Program in the College of Arts and Architecture, is free to the public.

British artist to speak

British artist Simon Lewandowski will present a lecture at 7 p.m. Monday, March 16, in 105 Chambers Building at University Park. It is sponsored by the College of Arts and Architecture and the Institute for the Arts and Humanistic Studies.

Mr. Lewandowski has exhibited work in solo and group shows in England, Poland and the U.S.S.R. His works appear in public collections in Poland, Rome, England and Hungary. He was a set and production designer for Impact Theatre Co-operative in Leeds and London, England, from 1980-81.

The lecture is free to the public.

Chambers exhibit

Works by undergraduate students in the photography and ceramics areas of the School of Visual Arts will be on view Monday, March 16, through Friday, April 24, in Chambers Gallery at University Park.

Faculty members in the photography area selected pieces that show the variety of subject matter and techniques used by students in fall and spring classes. The ceramics part of the exhibition shows both functional and sculptural works in high fire and low fire clays and glazes. Faculty members selected works completed in fall and spring classes.

The exhibition is free to the public. Chambers Gallery is on the second floor of Chambers Building. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday.

Novelist to read

Elena Castedo, novelist and translator, will be the second reader in the Writers Reading Series at 8 p.m. Wednesday, March 18, in 101 Kern at University Park.

Dr. Castedo's first novel, Paradise, was one of five finalists for the 1990 National Book Award. The novel's Spanish translation was a best seller in Latin America and Spain, where it was nominated for the Cervantes Prize.

She received a master's degree in Spanish from UCLA and a doctorate in romance languages and literature from Harvard. Her reading is sponsored by the Departments of English and Spanish, Italian and Portuguese.

The final reading of the series will be presented by poet Shahid Agha Ali, a 1976 Penn State graduate, at 8 p.m. Monday, April 13, in 101 Kern.

French Horn Ensemble

The French Horn Ensemble of the School of Music will perform in concert at 8 p.m. Sunday, March 22, in the Music Building Recital Hall at University Park.

The ensemble's repertoire includes arrangements of J.S. Bach, J. Brahms, Gabrieli, A.F. Doppler and di Lasso and original works by L. Shaw and David Stanhope.

The ensemble is directed by Lisa O. Bontrager of the School of Music. Catherine Totman, master of music degree candidate in horn performance, is assistant director and librarian for the ensemble.

The concert is free to the public.

'Cats' to be performed

"CATS," Andrew Lloyd Webber's Tony award-winning Broadway musical, will be performed at 8 p.m. Tuesday, March 24, Wednesday, March 25, and Thursday, March 26, in Eisenhower Auditorium at University Park.

An oversized junkyard is the setting for the nighttime antics of these famous felines. Decked in extravagant costumes, cats prowl and dance around giant soda cans and broken tennis rackets at the annual Jellicle Ball.

Lloyd Webber, whose other musical credits include "The Phantom of the Opera," "Evita" and "Jesus Christ Superstar," sets T.S. Eliot's "Old Possum's Book of Practical Cats" to music.

Tickets are $29, $27 and $25. For more information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Lecture series

Peter Nabokov, assistant professor of anthropology at the University of Wisconsin-Madison, will present the lecture, "Between Cosmology and Ideology: Round Houses of the Plains, Great Lakes, and California," at 8 p.m. Tuesday, March 24, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality, and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Dr. Nabokov has published numerous books and articles on the religion, history and architecture of Native Americans. He received his master's degree in ethnic studies and language arts from Goddard College and his doctorate in anthropology from the University of California, Berkeley, where he focused on the interplay of Crow Indian religion and history.

The lecture is free to the public.

Pennsylvania Quintet

The Pennsylvania Quintet, Penn State's resident faculty wind ensemble, will perform in concert at 8 p.m. Wednesday, March 25, in the School of Music Recital Hall at University Park.

The program will include works by American composers Irving Fine, Vincent Persichetti and Ingolf Dahl, and the Quintette pour instruments a vent, by 19th-century French flute virtuoso and teacher, Paul Taffanel.

Members of the quintet include School of Music faculty members Eleanor Duncan Armstrong, flute; Barry Kroeker, oboe; Smith Toulson, clarinet; Lisa O. Bontrager, horn, and Daryl Durran, bassoon.

The concert is free to the public.

Artifacts exhibit

International students are exhibiting artifacts and crafts from various countries through March 15 in the HUB Art Alley Cases at University Park.

International student groups contributing to the exhibit include Friends of Brazil, Caribbean Students Association, Hellenic Society, Iranian/Muslim Students Association, Pakistan Forum and Puerto Rican Student Association.

Concert choir

The Penn State Concert Choir will perform in concert at 12:10 p.m. Thursday, March 26, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is sponsored by the School of Music and the University Lutheran Parish.

The program will include parts of the Schuetz German Requiem and Bach's motet, "Komm, Jesu, komm."

The Concert Choir, under the direction of D. Douglas Miller of the School of Music faculty, consists of 72 music and non-music majors.

HUB Center

The HUB Center for Arts and Crafts at University Park will begin its second session of the spring schedule of classes soon. Adult classes begin the week of March 2, and children's classes begin the week of March 16.

There are classes in pottery, textiles, stained glass,

See 'Arts' on Page 10.

THE NITTANY LION INN

The rich history of the Nittany Lion Inn, on Penn State's University Park Campus, is reflected in every aspect of this more than 60-year-old guest house that was dubbed "the living room of Penn State."

Manager's message:

"We're here to serve you"

Dear Friends and Colleagues:

This special insert is intended to acquaint you with the new and expanded Nittany Lion Inn. It also is our aim to give you an insight into our philosophy of operation and our desire to serve you.

As you will see by reading the insert and visiting the Inn, we have beautiful, functional and extensive facilities to meet all your needs.

More importantly, we want you to know that it is our mission to be a very important part of the University. We intend to do this by providing valuable work experience for students in the School of Hotel, Restaurant and Recreation Management, by working with Continuing Education, the various colleges and departments of the University, The Penn State Alumni Association and the administration of the University.

Former President Eric Walker has called the Nittany Lion Inn "the living room of Penn State." We take that seriously. We care and we're here to serve you.

Sincerely,

R.A. Benefield
General Manager

About this insert...

Writer for this special insert to *Intercom* was **Felicia Thibeault** Mulley; design and layout were prepared by **Lisa Rosellini**, assistant editor for the *Intercom*; and photographs were taken by **Greg Grieco**.

For more information about the Inn, please stop by or call (814) 231-7500.

Newly expanded Nittany Lion Inn welcomes guests as never before

In 1931, Mickey Mouse and Dick Tracy were rising young stars; the Empire State Building was the latest addition to the New York skyline; "The Star-Spangled Banner" was officially designated as the national anthem, and the Nittany Lion Inn opened its doors to the public with a gala dinner dance. The evening's program invited guests to "start dancing whenever the spirits move" and assured late-night revelers, "sleep in as late as you like, you'll get your coffee."

This month the doors open again — to a remodeled and expanded Nittany Lion Inn. Much has changed in the intervening sixty-one years. But the combination of elegance and home-like warmth, which prompted President Eric Walker to call the Inn the "University's living room," has been carefully preserved.

Visitors to the remodeled Inn may experience déja vu as they pass through the new Park Avenue entrance, a near replica of the Atherton Street original, but once inside, they will be greeted by striking changes. A gracious reception area with furnishings in 18th-century style welcomes weary travelers and leads to an octagonal, two-story elevator lobby with a gift shop and balconies. Other additions include 132 luxurious new guest rooms, vastly expanded meeting and conference facilities, a health club, a lounge for informal cocktails and dining, and — for when the spirits move — the largest ballroom in the area.

Visitors also will find a fresh approach to service and a re-dedication to "excellence in all things."

The philosophy of new General Manager **Richard Benefield**, a distinguished alumnus, has guided the Inn through this latest transformation. Taking the words of Emerson to heart, Mr. Benefield has built a national reputation on "no small plans." His vision for the Nittany Lion Inn is as simple as it is ambitious: "It must become the finest university campus inn in America."

Jim Purdum, manager of operations and a member of the staff since 1989, is confident that it can be. "We can do the job better than anyone else, because of our people," he says. "The feeling of optimism and pride is evident throughout the staff."

"We all feel very important doing our part for our Inn," says **Susan Jones**, executive housekeeper. "I'd like to bring people back who haven't been familiar with the Inn in recent years. It has a lot more to offer now. It's really going to say 'Welcome.'"

The staff of the Nittany Lion Inn

The Nittany Lion Inn expansion at a glance...

Construction statistics

- ❒ **Began:** November 1990.
- ❒ **Completed:** February 1992
- ❒ **Cost:** $18 million. No tuition or tax monies used.
- ❒ **Size:** 135,000 square-feet. Three stories.

New construction includes:

- ❒ 132 luxurious new guest rooms, including handicapped-accessible and non-smoking rooms.
- ❒ 6,500-square-foot, 500 person Alumni Ballroom with skylit "pre-function area"
- ❒ 3,500-square-foot Board Room, handsomely detailed in colonial style
- ❒ Several small conference rooms for business meetings
- ❒ Ninety-person pavilion lounge with courtyard views and outside dining area
- ❒ Four intimate, private dining rooms for special occasions
- ❒ Modern health club with jacuzzi, three stationary bikes, two Stairmasters, a Universal weight machine, Nordic Track, and rowing machine

Inn helps students learn by doing

"One of the major thrusts of the Nittany Lion Inn is to be a part of Penn State's ongoing educational mission," says **Richard Benefield**, general manager. "We have a close working relationship with the Hotel, Restaurant and Institutional Management program offered through the School of Hotel, Restaurant and Recreation Management, and it's getting closer."

All students in the HRIM program are required to complete a 1,000-hour practicum in the 'real world' before they graduate. Many choose to work part of those hours at the Inn where they gain valuable professional experience in all aspects of hotel and restaurant management.

Denise Eckley has been the Inn's banquet manager for nearly two years. "Our student floor supervisors are definitely front-line managers," says Ms. Eckley. "They get a lot of experience."

"These jobs are as much a part of their education as what they get in the classroom," says Mr. Benefield.

A joint project between the Inn and the HRIM program, to be instituted next fall, will provide internships to selected students each semester. The proximity of the Inn to the site of HRRM's new Mateer Building will open up further opportunities.

Open house

Friends of the Inn welcome to attend

Friends of the Inn will have a chance to see for themselves what all the excitement is about when the Nittany Lion Inn "opens the house" to visitors later this month. Three invitation-only receptions, March 17, 19 and 24, will be followed by a public open house on March 25 from 5 to 7:30 p.m.

Festivities will include culinary samplings and refreshments, and tours of the guest rooms, new meeting and banquet spaces, redesigned kitchen, pavilion lounge, and other facilities. Staff will be on hand to greet guests and answer questions.

Expanded meeting space makes Nittany Lion Inn the area's largest

Yes, there is room at the Inn! With everything from a grand ballroom to intimate private dining rooms, the expanded Nittany Lion Inn is better able than ever before to accommodate conventions, meetings and social gatherings of all kinds.

This is the Place

"This is the place of all places in Central Pennsylvania for business and social functions," says **Tracy Evans**, banquet and conference coordinator.

Robert Dennehy, associate manager, agrees adding, "We've looked forward for quite a few years to this expansion program. Now we really have something special. I see a much more functional hotel, and it allows us to provide much better service."

Flexibility and function are key elements in the design of the new meeting spaces. The stately, colonial Alumni Ballroom has a sixteen-foot ceiling to accommodate conventions and trade shows and can easily be divided into five smaller rooms.

The 3,500 square-foot Board Room seats 200 banquet style and also may be subdivided for more intimate gatherings.

All of the new meeting spaces boast adjacent "pre-function areas" where receptions, coffee breaks, or cocktail parties can be prepared with the help of the Inn's sales staff.

Pleasing the people

"This is a very people-oriented business," says **Don Fagerty**, sales manager. "And I enjoy helping people and working with them."

Mr. Fagerty is part of a professional team that helps clients to coordinate conferences, parties and other events at the Inn. Along with **Darlene Fike**, director of sales, and **Tracy Evans**, he handles the details so that clients can relax and enjoy business and social functions.

"I love being able to be creative, share ideas, and personalize events," says Ms. Evans, who also handles all weddings at the Inn. "I take care of everything from finding a florist to planning the menu, setting up the bar, ordering cakes, booking entertainment and reserving guest rooms."

"The best thing about my job is getting to know the customers through the planning process. I understand what they want, and cater to every need."

A Powerful Combination

The Nittany Lion Inn and its companion facility, The Keller Conference Center, are a powerful combination ideally suited to serving the needs of the academic and business communities.

"We are unique to the area, and probably unique to Pennsylvania," says **Lisa Sholly**, marketing manager for the Inn and Conference Center, "in that we can accommodate faculty-facilitated programs as well as those presented by outside organizations."

More than 500 specialized programs are administered each year at Keller, with professional conference coordinators handling all details, from initial planning to evaluation. Many programs are produced in concert with the Nittany Lion Inn, which manages food service, coordinates social events, and provides guest rooms for many of the more than 40,000 Keller Conference participants annually.

The Inn's recent expansion will provide much-needed additional meeting space for the Conference Center, which has been operating at capacity for the past few years. "It will enable us to do a better job," says **Dick Bunnell**, director, Continuing Education's Keller Conference Center.

Inn employees prepare one of the new meeting spaces to accommodate a business function being held there.

Noteworthy Events in the H

1929
Pennsylvania State College determines the need for an inn

1931
The Nittany Lion Inn opens under management by the Treadway Corporation

1933
The first class reunions – for the classes of 1903, 1908 and 1923 – are held at the Inn

1941 - 1945
During WWII, the Inn housed members of the Navy V-12 program and officers of the Armed Services Training Program.

1948
Penn State University takes over management of the Inn

1954
The Inn doubles in size as a new wing and coffee shop (now the Colonial Room) are added

1955
President Dwight D. Eisenhower visits

Guest rooms designed with today's traveler in mind

"Mountain-breezed air makes for sleep," promised an early Nittany Lion Inn promotional brochure. That was back in 1931, when the Inn's 75 guest rooms were well appointed with beds of maple or painted metal, brass-studded blanket chests, and fully-equipped pin cushions.

Today air conditioning assures pleasant sleep on even the hottest summer nights, and mahogany has replaced maple and painted metal. Tastes have changed and so have travelers' needs. The Nittany Lion Inn's 132 new rooms are designed to meet those needs — beautifully.

New guest rooms are furnished in subdued shades of blue, rose and moss green and all have elegant sitting areas with armchairs or couches. Furniture is in the 18th-century style with Chippendale, Hepplewhite and Sheraton influences.

Business travelers will appreciate the convenient computer modem hook-ups, additional telephones and large work spaces available in five executive suites.

The elegance and comfort of the Inn's new guest rooms will tempt travelers to extend their stay.

Four new handicap-accessible rooms, including one suite, feature specially-designed bathrooms with lower, cutaway sinks, and adjustable-height showers heads. Chairs and couches have lower seats, and French doors open wide onto breezy patios.

And of course, non-smoking rooms are available.

"We planned ahead for everyone" says **Susan Jones**, executive housekeeper.

She heads an expert housekeeping staff to assure that guests have everything they need to make their stay a pleasant one.

"We treat the guests like they are our personal guests," she says. "They may need a simple thing, like an iron. We're glad to do that for them."

What about . . . a pincushion?

"We've got pins and needles, and what we don't have, we improvise," she says. "We haven't turned down a request yet!"

New lounge offers casual dining in a garden atmosphere

With heavy timber trusses soaring from the slate floor to a cupola and copper-clad roof above, the octagonal lounge is perhaps the most dramatic new addition to the Inn. In a setting reminiscent of early colonial garden pavilions, it offers a light menu featuring pub fare and express luncheon specials. Walls of windows overlook a landscaped courtyard, and a slate patio makes dining "al fresco" a pleasant possibility when weather permits. The casual mood and intimate seating arrangements invite guests to linger, relax, and enjoy.

"We had in mind an atmosphere similar to 'TGIFriday's,'" says **Rodney Frazier**, beverage manager, who joined the Inn staff in 1989 after working for the popular Texas-based restaurant chain.

Four draft beers nightly, including special seasonal brews, are served from a gleaming bar constructed of Pennsylvania cherry and brass. Snacks and sandwiches are available, and eventually, live entertainment will be added.

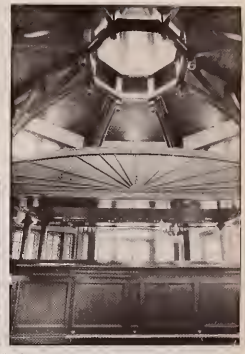
"I can't think of a more beautiful bar in town," Mr. Frazier says. "It's a great place to meet with friends after work."

The Name Game

As yet, the pavilion lounge is without a permanent moniker. To remedy the situation, the Nittany Lion Inn is offering this challenge. Name the lounge and win a free weekend for two at the Inn. So far, the response has been astounding!

To suggest your favorite name, simply stop by and inquire about the naming contest. A winner will be chosen in the coming weeks.

Good Luck!



The beauty and style of the new pavilion lounge is evident in these photos (left) of the octagonal cupola skylight above the bar, and (right) a full view from floor to ceiling of the bar itself.

ory of The Nittany Lion Inn

1957-1959
Professor Milton Osborne paints murals on the walls of the Penn State Room

1967
The Inn obtains a liquor license and legend has it that the first drink is ordered by a nun

1970
The Inn is completely refurbished for the first time since 1931

1972
The Pride lounge is opened on the lower level of the Inn

1976
Air conditioning is added to guest rooms

1980
The Osborne Murals are expanded by the artist's widow, Sophie Osborne, and muralist Frank Kowing

1992
Major renovation of the Inn is completed, nearly doubling the number of guest rooms, vastly expanding meeting facilities and adding the pavilion lounge

Escape to the Inn with special packages

Escape to the Inn and get away to it all — in the heart of Lion Country! Penn State's University Park Campus is a hub of activity in the mountains of central Pennsylvania. From Big10 athletics and first-class recreational facilities to fine art, music and theater, to one-of-a-kind educational opportunities, there are plenty of things to see and do. And The Nittany Lion Inn has a special package to put you in the center of it all.

Winter Weekend Packages

Winter weekend packages, available through the end of March, put winter sports fans where the action is. Includes: Two nights lodging, Penn State memorabilia, complimentary *Blue-White Illustrated*, Saturday and Sunday breakfasts and tickets to weekend Penn State sporting events.

The Golf Package

Experience the challenge of two top-quality, 18-hole courses while enjoying the elegance and hospitality of the Nittany Lion Inn. After a day on the course, relax and unwind in the pavilion lounge, or try the in-house health club and jacuzzi. Midweek and weekend packages available. Includes: Overnight accommodations, full breakfast the following morning, prearranged tee times, use of practice facilities, greens fees and cart (18 holes). Lessons from PGA Master professional **Jeff Mowrer** are available at additional cost.

For more information about these and other available packages, contact: Lisa Sholly, marketing manager, at (814) 865-0562 or Darlene Fike, director of sales, at (814) 231-7500.

Reduced rates available

When the Nittany Lion Inn first opened in 1931, Ralph Dorn Hetzel was Penn State president and guest rooms cost $3.50 per night. Times have changed and a dollar doesn't go as far as it once did, but special Commonwealth Campus rates are available, and group rates may be negotiated through the sales office. Call the Nittany Lion Inn first when you have business in University Park!

George Washington didn't sleep here....

Presidents, dignitaries, intellectual thinkers and artists have all been guests of the Nittany Lion Inn

But the Inn has been privileged to host some of the most interesting and influential people of the twentieth century, including: presidents Dwight Eisenhower and Lyndon Johnson, who used the Inn as headquarters during their University Park visits; Eleanor Roosevelt, former British Prime Minister Clement Atlee, Robert Frost, Carl Sandburg, Helen Hayes, Louis Armstrong and many others.

An artist's rendering of the refurbished Nittany Lion Inn on the University Park campus

Catering to personal tastes

Whether it's a romantic dinner for two in the Inn's main dining room, or a catered affair for 500 in one of its many elegant banquet rooms, food is above all, a matter of individual taste.

"Food is very personal," says **Jim Purdum**, operations manager. "That's why flexibility and a sensitivity to people's needs are so important to us at the Inn. We're happy to prepare low-salt, low-fat, or vegetarian meals if that's what our guests want. We do more custom events than events straight from the menu."

People who are planning events at the Inn are invited to come in to share their ideas and make suggestions. "The doors are open," says Mr. Purdum. "We'll invite you into the kitchen. Come in, meet our chef and we'll do some tastings."

The Inn's professional food service staff are always looking for ways to improve service. "Whatever it takes, it's not a problem," says **Michael Conti**, new food and beverage manager and director of catering. "Constant attention to detail is paramount when arranging catered and banquet functions and perfecting dining room service techniques. I listen to every comment, criticism and compliment each guest has to offer."

"Food has become art," adds **Andy Galietta**, executive chef and the Inn's primary culinary artist for the past three years. "You eat with your eyes first, but food must taste good as well. People are looking for natural flavors, getting away from heavy sauces and cover-ups, and we've responded to that. The Inn has come alive with new tastes and flavors. There's been a new awakening."

From the chef...

Need more proof of the tantalizing foods offered at the Inn? From the kitchen of Inn chef **Andy Galietta** comes this delicious recipe for Carribean chicken salad that's sure to please.

CARRIBEAN CHICKEN SALAD

Caribbean Barbecue Sauce

5 Slices of bacon, uncooked, diced medium
1/2 Onion diced medium
1/2 Red pepper diced
2 Tablespoon apple cider vinegar
1/2 Tablespoon brown sugar
Few flakes crushed red pepper
2 Cups chili sauce
1 Whole chicken breast boned 7 - 8 oz.

Saute bacon until lightly brown. Add all ingredients except chili sauce. Cook until vegetables are tender, add chili sauce. Simmer 1/2 hour on low heat – stir. Grill or saute chicken breast until done. Slice, place over your favorite salad mixture tossed with Italian dressing. Add sauce over chicken.

Enjoy!

University Park Calendar

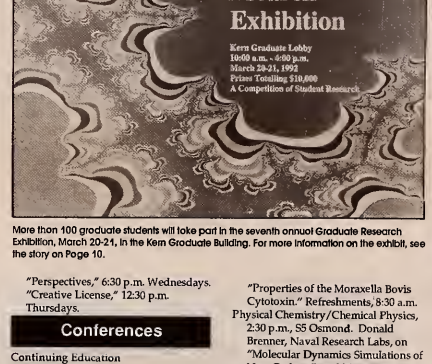
March 5 - March 22

Special Events

Thursday, March 5
Concert, noon, Kern Lobby. Gordon Law and Friends.
School of Music, 8 p.m., Recital Hall. Claudia Anderson, flute; Richard Gloss, piano.
Sunday, March 8
Shaver's Creek, 2-4 p.m., Pennsylvania Trees. Call 863-2000.
Monday, March 9
Spring Break through March 13.
Wednesday, March 11
Penn State Chapter of Educational Office Personnel, 12:10-12:50 p.m., 256 Hammond. Pat McDannel, Centre County Office of Aging, on "Elderly Care for the Aging Parent."
History of Photography series on William Henry Fox Talbot, inventor of photography, 8 p.m., Rare Books Room, Pattee Library. Graham Smith, Univ. of Mich., on "Talbot and Italy."
Saturday, March 14
Shaver's Creek, 7:30-9:30 a.m., Early Morning Bird Walk. Call 863-2000.
Sunday, March 15
Shaver's Creek, 2-4 p.m., Pioneer Sugar Camp. Call 863-2000.
Monday, March 16
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Matsui Gibson on "Buddhism and Marxism in the Works of Noma Hiroshi."
Wednesday, March 18
Concert, noon, Kern Lobby. Phi Mu Alpha High Society, Dixie Land Band.
Writers Reading Series, 8 p.m., 101 Kern. Elena Castedo, novelist and translator.
School of Music, 8 p.m., Recital Hall. Marylene Dosse, piano.
Thursday, March 19
Concert, noon, Kern Lobby. "A Touch of Steel." Steel Drum Band.
Friday, March 20
Trustees meet, Hershey, through March 21.
Geo. Coffee Hour, 4 p.m., 319 Walker. Refreshments, 3:30 p.m. Samuel Hayes, Pa. legislator.
School of Music, 8 p.m., Recital Hall. Winners of the 1992 Penn State Philharmonic Concerto Competition will perform. Free.
Saturday, March 21
Faculty Development Workshop, Vitae Development, 9 a.m.-noon, 313 Kern. James Stewart, speaker. Reservations, Leah Witzig, 863-1663, by March 18.
Sunday, March 22
Carnegie Hall Film Series, 7 p.m., Rosa Luxemberg (1985); 9:15 p.m., The Big Clock (1948), Carnegie Cinema. Free.
School of Music, 8 p.m., Recital Hall. Penn State Horn Ensemble.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein.



More than 100 graduate students will take part in the seventh annual Graduate Research Exhibition, March 20-21, in the Kern Graduate Building. For more information on the exhibit, see the story on Page 10.

"Perspectives," 6:30 p.m. Wednesdays.
"Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
March 10-13. Fermentation Methods and Scale-Up Strategies. K. Rashid, chair; Jerri Milsom, coordinator.
March 12. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
March 18. Dental Seminar. Eric Loop, coordinator.
March 20-21. Microcomputer Information Exchange Conference and Computer Fair. Kyle Peck, chair; Donna Ricketts, coordinator.

Seminars

Thursday, March 5
EPF, 2 p.m., 339 Davey. Kay Kinoshita.
Physics Colloquium, 3:30 p.m., S5 Osmond. Albert Libchaber, NEC and Univ. of Princeton, on "Turbulence in a Box."
Biology, 4 p.m, 8 Mueller. Simon Gilroy, Univ. of Calif., Berkeley, "Signal Transduction in Guard Cells—Peering Into the Black Box."
Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. Neal Cutler, Boettner Institute of Financial Gerontology.
Biology, 4 p.m., 8 Mueller. Simon Gilroy, Univ. of Calif., Berkeley, on "Signal Transduction In Guard Cells—Peering Into The Black Box."
Friday, March 6
A.L. Bortree Lecture Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Lisle W. George, Univ. of Calif., on "Properties of the Moraxella Bovis Cytotoxin." Refreshments, 8:30 a.m.
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Donald Brenner, Naval Research Labs, on "Molecular Dynamics Simulations of New Carbon-Based Materials."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences & Industries. Patrick G. Hatcher on "Chemical Structure of Humic Material in Soil."
Tuesday, March 10
CAMP, 4 p.m., 339 Davey. Ailan Cheng, Univ. of Pa., on "Orientational Ordering of C_{60} and Alkali-doped C_{60} Crystals."
Monday, March 16
EPF, 4 p.m., 339 Davey. Vladimir Dobrev.
Tuesday, March 17
Inorganic-Organic, 12:15 p.m., S5 Osmond. Siddharth Sanganeria.
Population Issues Research Center, Dept. of Sociology, 12:30-1:45 p.m., 204 Keller. Robert Sampson, Univ. of Chicago, on "Human Development and Criminal Behavior in Community Context."
Chemistry Colloquium, 3:30 p.m., S5 Osmond. Joel M. Harris, Univ. of Utah, on "Time-Resolved Laser Calorimetry of Photoinitiated Processes."
Merck Centennial Lecture Series, 4 p.m., Paul Robeson Cultural Center. Peter R. Gould on "The AIDS Epidemic in Space and Time: Predicting the Next Maps." Refreshments, 3:45 p.m.
Biology, 4 p.m., 8 Mueller. Ralph Keil.
Wednesday, March 18
Analytical Chemistry, 11:15 a.m., S5 Osmond. Ken Stutts, Dow Chemical Co., on "An Analytical Challenge in Reverse Osmosis Membrane Characterization." Refreshments, 11 a.m.
■ Slavic Center Luncheon seminar, noon, 12 Sparks. Madhu Malek, Bucknell Univ., on "Vladimir Vysotsky: Politics and the Poet in the Soviet Union."
Thursday, March 19
Physics Colloquium, 3:30 p.m., S5 Osmond. Carl Wieman, Univ. of Colorado, on "The Coldest Atoms in the Universe: Laser Cooling and Trapping and the Route to Bose-Einstein Condensation in a Vapor."
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Joshua M. Wiener, Brookings Inst., Wash., D.C., on "Sharing the Burden: Strategies for Public and Private Long-Term Care Insurance."
Friday, March 20
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Drake Diedrich.
Agronomy, 3:35-4:25, 101 Ag Sciences and Industries. Cherie Campbell on "Matric Potential and Soil Smearing Effects on Hydraulic Conductivity."

Exhibits

Chambers Gallery
"Undergraduate Photography and Ceramics," through April 24.

Hetzel Union Art Galleries:
Formal Gallery:
"Goddesses and Flowers", Jennifer Tucker, March 8-29.
Art Alley Cases:
■ Penn State's International Students art and artifacts, through March 15.
Art Alley Panels:
"Imagery of Personality," Anne Trevino, photographs, through March 15.
Browsing Gallery:
Color Slide Club of State College, through March 29.
Kern Galleries
"Mountains," Thomas Smyth Jr., through March 17.
Palmer Museum of Art
"The Art of American Livestock Breeding," through March 29.
Rare Books Room:
An exhibit of antebellum southern humor, through March 6.
Lending Services Gallery:
Paul Robeson Cultural Center
■ Sudan art, March 16-April 30.

■ Reflects an international perspective

Graduate Research Exhibition

More than 100 graduate students to compete for awards

How mud turns to shale, how sandbars form and ways to restore Pennsylvania's river otters are a few of the research projects that will be on display during the seventh annual Graduate Research Exhibition, March 20-21, in the Kern Graduate Building at University Park.

The Exhibition, which is open to the public from 10 a.m. to 4 p.m. each day, gives graduate students the opportunity to explain and defend their research — through poster presentations — to faculty, other students, administrators and the community.

"Research is an important and intrinsic aspect of education at the university level," **Barbara Shannon**, associate dean of the Graduate School, said. "Graduate students' research is critical to the university and the results of this work often influence researchers throughout their careers."

More than 100 graduate students will compete for awards totalling $10,000 with such varied projects as measuring wind speeds 50 kilometers up in the atmosphere; considering the idea of a just war in the film "Aliens"; monitoring endangered red squirrels; cleaning water polluted by solvents and fuels, and the impact of media technology on war reporting.

All 10,299 Penn State graduate students perform research as part of their degree requirements. By working with senior faculty in small groups and one on one, they learn the standards, techniques and methods of their disciplines, form lasting professional relationships with their mentors and in some cases create and define research goals that last a lifetime.

The Graduate Research Exhibition is co-sponsored by the Graduate Council and the Office of the Senior Vice President for Research and Dean of the Graduate School. Awards will be announced at 3 p.m. Saturday, March 21.

Educational efforts overseas aided by book donations here

The Penn State Bookstore on Campus is participating in the Bridge of Knowledge Book Donations Program, an international effort to collect and donate books and other educational materials to countries overseas.

Since the program was initiated at Penn State in April 1991, the bookstore has shipped almost eight tons of books to the International Book Bank in Baltimore, to be distributed to educational institutions in Africa, Eastern Europe, Asia and the Caribbean. Recently the International Book Bank shipped books to Bulgaria, Czechoslovakia, Hungary and Poland.

The program offers an opportunity to donate books and journals which are no longer in active use. Arrangements can be made to pick up quantities of books donated from offices on campus by calling 863-3250.

There is a need for classroom-related fiction, foreign language books and children's books. There exists a special need for books for primary and secondary levels of education.

Bridge of Knowledge

The Penn State Bookstore on Campus has been recognized by the National Association of College Stores for its successful efforts to promote and carry out the book donations program. In turn, the bookstore staff wishes to acknowledge and express their gratitude to the individuals from the State College and university communities who have donated books and continue to contribute to this worthwhile endeavor.

A specially-designated book bin is located near the book buyback counter for the deposit of books at the Penn State Bookstore on Campus. For additional information, or to make arrangements to pick up books, contact Elizabeth Wilson at 863-3250.

Arts

Continued from Page 8.

drawing, painting, art sampling, and more. Almost all of the classes have a few openings left.

Stop at Room 312 HUB or call 863-0611 for more information. The center is open from 10 a.m. to 10 p.m. every day.

Borodin Trio

The Borodin Trio will perform at 8 p.m. Friday, March 27, in Schwab Auditorium at University Park.

The trio will perform Tchaikovsky's Trio in A minor, Op. 50, Rachmaninoff's Trio No. 1 in G minor and Shostakovich's Piano Trio in E minor, Op. 67. A member of the trio will discuss the evening's program at 7 p.m. in Schwab Auditorium, as part of the Artistic Viewpoints lecture series.

The Borodin Trio, Rostislav Dubinsky, violin; Luba Edlina, piano; and Yuli Turovsky, cello; was formed in 1976 after its members emigrated from the Soviet Union. Named after one of Russia's "mighty five" composers of the 19th century, the trio is renowned for mastering a difficult genre.

Tickets are $16 and $13 for adults; $12 and $9 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Odyssey on WPSU

"Women who are claimed to be something like Amazons — women who dress like men, take up arms, and fight like men — become, functionally speaking, the males in the family," says Carol Clover on the next episode of Odyssey Through Literature, "A Woman Between Two Worlds."

Dr. Clover, professor of Scandinavian literature at the University of California at Berkeley, introduces host Leonard Rubinstein to the medieval Icelandic poem, "The Waking of Angantyr." In this early Viking-age poem, a woman is forced to perform the functions of a male in order to continue the family tradition.

When Pennsylvania writer John O'Hara turned his novelist's eye to journalism, he often reported what he failed to see, notes **R. Thomas Berner**, professor of journalism, on the March 18 episode of Odyssey Through Literature.

In "The Presence of Absences," he and host Leonard Rubinstein discuss O'Hara's coverage of a small-town doctor's trial on charges of euthanasia.

For O'Hara, whose own father was a small-town doctor, journalism was a form of social history. "He had a strong belief in being accurate," Professor Berner says. "He denied himself figures of speech and he was proud of that fact."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Arts at...

Altoona Campus

Two art shows, "Between You and Me," and "Commonwealth Educational System Faculty Exhibit," are on exhibit through Saturday, March 28, at the Penn State Altoona Campus.

The "Commonwealth Educational System Faculty Exhibit" in the McLanahan Gallery features the works of eight faculty members from Penn State's Commonwealth Campuses: Leah Anderson, DuBois; David DiPietro and Gloria Depaolia, Fayette; Charles Gibbons, New Kensington; David Milby, Ogontz, and Roger Zellner, Mike Lucas and Ken Kuhn, Altoona.

In the Sheetz Gallery is an exhibit for Women's History Month, Between You and Me, featuring photographs by Denise Keim, a graduate student in art at University Park.

Penn State Great Valley

The pageantry of Native American ritual is portrayed in a photographic series by Susan E. Stein on display through Friday, April 10 at Penn State Great Valley in Malvern. The "Native Americans: Preserving the Past, Creating a Future" exhibit is part of the Cultural Heritage Series sponsored by Commonwealth Federal Savings Bank.

With photographs taken primarily at ceremonial events, Ms. Stein captures the religion and history of Native Americans as they preserve a rich tradition and honor their heritage.

CELEBRATE AMERICA:
A Patchwork of Diversity
The 1992 Cultural Heritage Series

Focus on Research

Tests begin in world's only electron-proton collider accelerator

Device should help scientists uncover hidden structures of sub-atomic particles

University physicists and other scientists from around the world recently began tests in the world's only electron-proton collider accelerator to determine if there is anything smaller than one of the smallest pieces of matter now known to exist.

The Hadron Electron Ring Accelerator in Hamburg, Germany, is the most powerful tool ever built to perform electron-proton collision microscopy. HERA uses giant magnets to send parallel streams of electrons and protons, two of the components of atoms, speeding in opposite directions around a 3.8-mile ring-shaped underground tunnel at nearly the speed of light.

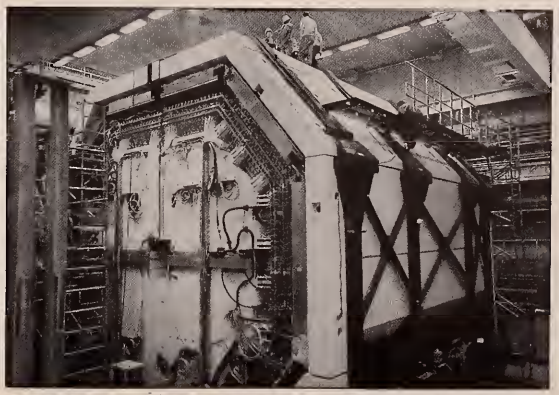
"We need these high speeds to enable the electrons and protons to hit each other head on," said Benjamin Oh, associate professor of physics. "This is when we get the most interesting information about the hidden structures deep inside the protons."

Electrons are among the sub-atomic particles that physicists call leptons, a group of elementary particles that are not made up of any smaller structures. Protons are not elementary but are made up of even smaller particles known as quarks.

"Everything in the world is made from leptons and quarks," Dr. Oh said. Scientists, however, suspect that quarks may contain even smaller structures, and they have designed HERA as a powerful tool for exploring these incredibly tiny specks of matter.

Dr. Oh and James Whitmore, professor of physics, are leaders of the Penn State group that helped to build the ZEUS particle detector, which forces the two streams of particles to collide at a point along HERA's ring and then records the reaction.

The ZEUS detector, a complex barrel-shaped structure roughly three stories tall, records head-on collisions between electrons and protons at center-of-mass energies greater than 300 billion electron volts. The collision pushes the electron deep into the center of the proton where it strikes a quark.



Shown here is the Zeus detector which records head-on collisions between electrons and protons

"You can get the clearest picture of the size, density, and possible structure of a quark by hitting it with an electron, which is totally structureless," Dr. Oh said. "We will be able to learn a lot by studying the jets of matter that are created by the intense energies that these collisions generate."

"It is like hitting a bowling ball, which we can think of as the quark, with a BB, which we can think of as the electron," said Gerald Smith, professor of physics and director of the Laboratory for Elementary Particle Physics. "If a BB hits head-on in the center of the bowling ball it flies straight back; if it hits a glancing blow, it scatters in a different direction. After tracing many hits from many angles, you can get a picture of the size and surface shape of the bowling ball."

In addition to measuring their size and mapping their shape, scientists hope to learn whether quarks are themselves made up of smaller particles. The Penn State physicists are providing coordination among U.S. institutions for the development of computer-simulation software to model predictable reactions as a baseline against which to measure any unexpected events.

"We have a detailed picture of what the reactions should look like if the quark is truly an elementary particle," Dr. Oh explained. "But if our data show a lot of variation from this picture, we will have to conclude that the quark is not elementary, but contains internal structures that are the cause of the unpredicted results."

The Penn State team and scientists from nine other U.S. universities and national laboratories built and assembled the 310-ton barrel section of the calorimeter at Argonne National Laboratory near Chicago before it was moved to Hamburg and installed in the ZEUS detector. German and Canadian teams built the end sections of the calorimeter.

The U.S. barrel calorimeter work is supported by the National Science Foundation and the U.S. Department of Energy. The Penn State team also designed, built and tested the Barrel Calorimeter Calibration Device, a system that continuously monitors and calibrates the performance of the detector.

The device uses a nitrogen laser and an intricate system of optical fibers to keep track of all parts of the barrel calorimeter.

"We have to keep everything calibrated to within 99 percent of absolute perfection," Dr. Oh said.

— Barbara Kennedy

Faculty/Staff Alerts

SPEC program explained

Since the announcement in January 1990 of a study to consolidate the clerical, staff nonexempt and staff exempt job classifications into a new job evaluation and compensation program, there has been obvious interest on the part of all affected staff. As the July 1 implementation date approaches for the SPEC program, a number of questions have been raised.

To get the answers to these questions *Intercom* spoke with **Rachel Miller**, manager, Salary Administration and Classification Division. As the project director responsible for program development, Ms. Miller has been involved in all aspects of the project.

"It's been a remarkable process," she said. "This is the first time in 30 years that the University's approach to job evaluation and pay has been studied. We have tried to balance our commitment to open communication and participation with an investment in sophisticated information management tools. The Classification/Evaluation System Review Committee, the Mercer, Inc. consultants, and other members of the project team are very excited by the results."

Q. Why has the SPEC program taken so long to develop?

"We knew from the beginning that this would be a long process. From the outset of the project, we were committed to a customized program design that would fit Penn State's unique needs, and to a teamwork approach that invited participation.

"In the University environment, that means time.

Also, we processed nearly 7,000 Position Information Questionnaires (PIQs) from staff and analyzed more than 2,000 jobs. We currently are writing more than 1,600 job descriptions. The effort required has been significant."

Q. What do you mean when you say the SPEC program includes a participative teamwork approach?

"Early in the project during open forums at each location, we collected written ideas and opinions from staff on the subject of job evaluation and pay, as well as other human resources topics. These ideas and opinions have been used in the design of the PIQ and the grading structure, and continue to be used in the development of proposals on a compensation program and administrative issues.

"In addition, staff involvement in the completion of the PIQs is a new approach for Penn State.

"Proposals on the compensation program and administrative issues also are being reviewed with staff members in focus groups to gather reaction and opinion."

Q Will the consolidation of the former clerical and staff classifications mean other changes in human resources programs?

"Yes. Proposals with changes to some programs are being discussed now with staff in focus group settings. In fact, the ideas and opinions submitted by staff also were used in proposed policy development for other changes in human resources programs.

"It's important to note that the SPEC program and these other program changes are the result of the University's decision to consolidate human resources programming around one, unified staff category. The results should be positive."

Q. Will the SPEC program affect the ability of employees to earn overtime?

"No. The exemption of jobs from overtime and recordkeeping requirement is determined by federal law. The SPEC program will not affect the exempt or nonexempt status of University jobs."

Q. Will employees' pay be immediately affected by the SPEC program?

"Not necessarily. We do not anticipate that any significant, nor broad-based, changes in employee pay will result due to program implementation. We have stated throughout the project, however, that no one's pay will be reduced as a result of SPEC.

"The SPEC program is intended to provide the University with a responsive and efficient system for maintaining equitable pay relationships throughout the 1990s and into the next century. It was never intended to have immediate remedial effect."

Q. What will happen between now and program implementation in July?

"We will be reviewing the results of the study with key people throughout the University to get their input on the new grade assignments for jobs in their areas. We also will be increasing our communications activity to provide the details of SPEC to all staff."

Q. How do you think staff members feel about SPEC?

"To date, feedback has been positive. There is some skepticism and anxiety, but that is to be expected with a new program that has evolved so many new ideas and processes. We are listening to all of the feedback, answering questions as appropriate."

In the coming months, there will be more information available about the new SPEC program, and the Office of Human Resources is eager to answer staff questions.

"The more that staff know about SPEC and how it was developed, the more confidence they will have in the program's ability to be fair and equitable," Ms. Miller noted.

Any staff member with questions about SPEC is invited to call the SPEC telephone information line (814-865-1313), during regular business hours.

Assessing exposure risk to Hepatitis and HIV

The University Biosafety Committee is attempting to assess employees who are at reasonable risk of occupational exposure to bloodborne pathogens (i.e., Hepatitis B Virus and Human Immunodeficiency Virus). If you believe that you are at risk of exposure to human blood and/or body fluids, please contact Environmental Health and Safety at 865-6391.

The committee will provide you with a short questionnaire that will assist in making the exposure determination. **Please be sure to return this questionnaire to 228 Grange Building no lather than March 20.**

Programs offered

The Faculty/Staff Health Promotion Office is offering a number of programs.

■ **Alcohol, Drugs and Relationships:**
The Enlightening Lunches Brown-bag Wellness Series will continue at noon today in the Paul Robeson Cultural Center auditorium with a program entitled "Alcohol, Drugs and Relationships." The program will provide participants with the opportunity to explore the concepts of alcohol and drug related co-dependency and dysfunctional relationships in families and other groups.

■ **Spring into fitness:**
Thinking about coming out of hibernation and starting the spring off right with some invigorating exercise? If so, you won't want to miss the Enlightening Lunches Brown-bag Wellness presentation on Thursday, March 19, entitled "Spring into Fitness." Participants will gain valuable information on proper clothing and footwear, realistic goal setting and how to maintain exercise motivation. The program is free to all faculty and staff. However, space is limited and those wishing to attend are encouraged to pre-register by calling the Faculty/Staff Health Promotion Program at 865-3085. Individuals already registered for this program should note that the location has been changed to The Living Center (Room 110) in Henderson Building at University Park.

■ **Weight Watchers at Work:**
A new 10-week session of the Weight Watchers at Work Program begins March 25 at University Park. New members are welcome. This reputable program is specifically designed to meet the working person's needs. A trained leader helps participants deal with problems such as coffee breaks, business travel and stress-related eating. The group meets on Wednesdays from noon to 1 p.m. at the Paul Robeson Cultural Center. The cost for the program is $90 which must be pre-paid by check, Visa or Mastercard. A split-payment plan is available. For registration information, call the Faculty/Staff Health Promotion Office at 865-3085.

Appointments

Cheryl Achterberg

Barbara J. Rolls

Richard M. Villastrigo

Cheryl Achterberg, associate professor of nutrition, has been named director of the Penn State Nutrition Center.

The center is part of the Department of Nutrition in the College of Health and Human Development. It performs community-based research for state, federal and private organizations, and serves as a resource to Penn State students, faculty and staff. The center's staff members answer questions about nutrition and provide outreach services to professionals and educators; they also maintain a collection of nutrition education materials, which are available to the community.

Dr. Achterberg, whose research focuses on the development of eating habits and on nutrition education, has been a University faculty member since 1985. She received the Outstanding Faculty Award from Penn State's Interhellenic Council in 1989.

She has held several offices in the Society for Nutrition Education: She chaired its Nominating and Research Abstracts Review Committees, was a member of the National Meeting Committee, and is on the board of editors of the society's Journal of Nutrition Education. She also has served on committees for the USDA Human Nutrition Service, the National Institutes of Health, and the American Heart Association.

Dr. Achterberg holds a doctorate in human nutrition from Cornell University, a master's degree in human development from the University of Maine at Orono, and a bachelor's degree in biological sciences from California Polytechnic State University, San Luis Obispo.

Dolores A. Bilo has been appointed area representative for Continuing Education at Penn State Great Valley in Malvern. She will develop and administer on-site training programs for area businesses and organizations.

Ms. Bilo's experience in the field of adult education spans 14 years. Most recently, she was associate director of continuing education at Neumann College in Aston. Before joining Neumann College, she was program coordinator at Delaware County Community College and continues to serve as an adjunct faculty member.

Ms. Bilo has worked as a placement counselor and program coordinator for the Delaware County Intermediate Unit and as a teacher in the Upper Darby School District. She holds an M.B.A. and M.A. in education from Villanova University and earned a B.S. in education from West Chester University.

Barbara Jean Rolls, professor of psychiatry at The Johns Hopkins University, has been appointed to the Jean Phillips Shibley Professorship in Biobehavioral Health.

Dr. Rolls, a faculty member in the Johns Hopkins School of Medicine since 1984, is director of that school's Laboratory for the Study of Human Ingestive Behavior, and is the current president of the Society for the Study of Ingestive Behavior. She will join the Penn State faculty Sept. 1.

The Program in Biobehavioral Health is a Ph.D. program that views health and illness as products of diverse, interrelated factors — biological, behavioral, socio-cultural and environmental. Created in 1990, it is a part of the College of Health and Human Development. The Shibley Professorship was established by University alumnus Raymond N. Shibley in memory of his wife, a University graduate who died in 1979.

Dr. Rolls, a faculty member in the Department of Psychiatry and Behavioral Sciences at Johns Hopkins, also holds a joint appointment in the Department of Mental Hygiene in the School of Hygiene and Public Health. Before she joined the Johns Hopkins faculty, she spent 15 years at the University of Oxford in England, where she held several research positions and fellowships.

Her research combines physiology and psychology; it focuses on the controls affecting food intake and food selection in normal-weight people, obese people, and those with eating disorders. She also studies the physiological mechanisms that control thirst and drinking in humans, and the ways that aging affects the controls of food and fluid intake. Her current research is funded by the National Institute of Diabetes and Digestive and Kidney Diseases.

She is an elected member of the American Institute of Nutrition and the Council of the North American Association for the Study of Obesity. Co-author of the book Thirst, published by Cambridge University Press, she also has written or co-authored more than 100 scholarly articles and book chapters.

Dr. Rolls holds a Ph.D. in physiology from the University of Cambridge and an M.A. from the University of Oxford. Her bachelor's degree is in biology from the University of Pennsylvania.

Richard M. Villastrigo, graphic designer in the Department of Publications, has been promoted to art editor of the department, effective March 1.

As art editor, Mr. Villastrigo will supervise a staff of four full-time graphic designers. He also will be responsible for setting University graphic design and visual identity standards, as well as conceiving design directions and strategies for University publications.

Mr. Villastrigo has been a designer with the Department of Publications since 1973. Among the major projects he has been responsible for are *Research/Penn State*, the quarterly research magazine for the University, and the entire series of Executive Programs publications for The Smeal College of Business Administration. Both of these projects have received recognition medals from the Council for Advancement and Support of Education (CASE) and the University and College Designers Association.

Last year, he won a gold medal from CASE for designing the catalog for the A.E. Bye exhibition organized by the Department of Landscape Architecture. His poster for the same exhibition won a silver medal from CASE.

Mr. Villastrigo holds a B.A. in architecture from the University of Pennsylvania and an M.F.A. in graphic design from Yale.

Obituaries

Arthur D. Walker, preventative maintenance worker, Office of Physical Plant, since April 17, 1972, died Feb. 21 at the age of 54.

Virginia H. Maule, secretary, College of Education, from March 1, 1953, until her retirement July 1, 1974, died Feb. 16 at the age of 81.

Mary Jane Shay, assistant cook, Housing and Food Services, from Sept. 1, 1955, until her retirement July 1, 1965, died Feb. 9. She was 92.

Martha C. Russler, first baker and dessert cook, Housing and Food Services, from March 14, 1955, until her retirement July 1, 1973, died Feb. 3 at the age of 84.

Audrey M. Weaver, residence hall worker, Housing and Food Services, from Sept. 27, 1977, until her retirement Nov. 14, 1991, died Jan. 26, at the age of 60.

Carpoolers

One rider needed to join a carpool from Lewistown/Milroy area to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call Lisa at 863-3250.

Ride wanted from Port Matilda to the University. Work from 10:15 a.m. to 7:15 p.m. Call 692-7184 before 9:30 a.m. or after 5:30 p.m.

Aaronsburg vanpool has 3 vacancies. Work hours are 8 a.m. to 5 p.m. Call

Penn Staters

James B. Anderson, professor of chemistry in the Eberly College of Science, has been elected a Fellow of the American Association for the Advancement of Science.

Daniel R. Hagen, associate professor of animal science, has been elected vice-chair of the Institutional Animal Care and Use Committee (IACUC), which is responsible for reviewing teaching, research, and other activities which utilize vertebrate animals.

Linda J. Ivanits, associate professor of Slavic languages, has been awarded a National Endowment for the Humanities Fellowship for University Teachers for 1992-93. She will be released from her teaching obligations for the 1992-93 academic year in the Slavic and Comparative Literature departments to pursue her research on Fedor Dostoevsky and Russian folk belief.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, has received three U.S. Patents on "Desiccant Materials for Use in Gas Fired Cooling and Dehumidification Equipment," "Automatic Device for Water Adsorption and Desorption Measurement," and "Highly Dense Cordierite and Method of Manufacturing Same."

Anne C. Petersen, dean of the College of Health and Human Development, has been elected a fellow of the American Association for the Advancement of Science.

Robert Prosek, professor and head of the Department of Communication Disorders, has received the annual Editors' Award from the Journal of Speech and Hearing Research.

Ernst Schurer, professor of German and Fellow of the Institute for the Arts and Humanistic Studies, presented invited lectures on the comedies of the expressionist playwright Carl Sternheim at the Universitat Bamberg and at the Carolo-Wilhelmina Technische Universitat Braunschweig, Germany.

William Winsborough, assistant professor of computer science, gave an invited lecture, "Dataflow Analysis for Local Reuse in Concurrent Logic Programs," at the Compulog Network of Excellence Workshop at Katholieke Universiteit, Leuven, Belgium.

Bookshelf

Frank J. Swetz, professor of mathematics and education, and **Jefferson S. Hartzler**, associate professor of mathematics, both at Penn State Harrisburg, are editors of *Mathematical Modeling in the Secondary School Curriculum: A Resource Guide of Classroom Exercises*, published by the National Council of Teachers of Mathematics, Inc.

The book is based on the authors' experience in working several years with secondary school mathematics teachers in implementing modeling activities in the school curriculum.

Its contents reflect examples of selected successful classroom modeling exercises. Throughout the book, students experience mathematical learning in real-life, applied situations.

Exercises include the analysis of the cost of a long distance telephone call, the design of a parking lot and the management of a mail delivery route.

Robert J. Bresler, head of the Division of Public Affairs at Penn State Harrisburg, is co-author with D.S. Stephenson, R.J. Friedrich and J.J. Harlesky, of *American Government*.

The textbook's second edition, published by Harper Collins, emphasizes the role of economics and ideology in American politics.

A revised edition of Wilbur Zelinsky's 1973 book, *The Cultural Geography of the United States*, has been published by Prentice Hall. The edition features a new fifth chapter describing and interpreting changes in American cultural patterns from the 1970s to the present, and significantly updates the annotated Selected References and related factual information. Dr. Zelinsky is professor emeritus of geography.

Promotions

Staff Exempt

Gary Abdullah, to marketing communications account specialist in Commonwealth Educational System.
Dwight B. Barnes, to advanced engineering aide in Applied Research Laboratory.
Richard S. Dills, to janitor foreman in Office of Physical Plant.
Linda F. Enseki, to Division of Undergraduate Studies program coordinator at DuBois Campus.
Eileen C. Gallagher, to administrative aide in Intercollegiate Athletics.
Jerry D. Gearhart, to assistant manager, Housing Services, in Housing and Food Services.
Joseph R. Jones, to assistant bursar in Corporate Controller's Office.
Patricia C. Kilmartin, to designer, electromechanical in Applied Research Laboratory.
Raymond F. Kristofik, to designer, electromechanical in Applied Research Laboratory.
Steven T. Lower, to designer, electromechanical in Applied Research Laboratory.
Roger A. Martell, to fiscal specialist-extension in Agriculture.
Sharon L. Martin, to supervisor, patient inquiry at Hershey.
James A. Mattern, to assistant director in Corporate Controller's Office.
Jack E. Moyer, to senior operations coordinator in C&IS - Telecommunications.
David J. Newman, to research programmer in C&IS - Computation Center.
Andrew J. Petkac, to marketing communications account specialist in Commonwealth Educational System.
Barbara L. Sedesse, to applications programmer analyst in division of development and university relations.
Darrell G. Thomas, to assistant partnership director in Education.
William V. Welch, to senior operations coordinator in C&IS - Telecommunications.
Shirley A. Wilson, to supervisor, Housing Services, in Housing and Food Services.
Kayle L. Zimmerman, to administrative aide in Agriculture.

Staff Nonexempt

Dennis M. Adams, to assistant engineering aide in Applied Research Laboratory.
Patrick W. Corbett, to auditing assistant in Corporate Controller's Office.
Kevin W. Knepp, to assistant engineering aide in Applied Research Laboratory.
Debra A. O'Connell, to financial counselor at Hershey.
Deborah L. Spicer, to property inventory aide in Corporate Controller's Office.

Clerical

Ann L. Brubaker, to bookstore clerk in Penn State Bookstore.
Sherri L. Bumbarger, to secretary C in Agriculture.
Stephanie J. Ebeling, to secretary B in Health and Human Development.
Paula M. Garvey, to clerk, typist A in Science.
Lisa A. Graham, to clerk A in Undergraduate Programs.
Nancy E. Hall, to conference secretary in Commonwealth Educational System.
Joanne Hawkins, to graduation clerk in Undergraduate Programs.
Charlene R. Hitchcock, to clerk, Bibliographic Processing in University Libraries.
Susan E. Houser, to senior clerk, Continuations Claims in University Libraries.
Judith G. Ilgen, to clerk A, Interlibrary Lending in University Libraries.
Christine R. Jones, to secretary B in Business Administration.
Stacey A. Kauffman, to secretary C in Business Administration.
Lou Erma Krape, to cashier in Housing and Food Services.
Constance M. Lucas, to clerk, accounting A in Corporate Controller's Office.
Judith A. Maxwell, to secretary in President's Office.
Mary D. McDermott, to accounting clerk in Corporate Controller's Office.
Patty J. Poorman, to secretary A in Commonwealth Educational System.
Frank S. Schrader, to senior clerk, lending services in University Libraries.
Rita A. Seyler, to accounting clerk in Corporate Controller's Office.
Janet M. Spearly, to secretary B at DuBois Campus.
Lori A. Yarger, to secretary A in Engineering.

Technical Service

Julie A. Boone, to residence hall utility worker in Housing and Food Services.
Jeffrey N. Brooks, to senior preparation technician in Science.

Partings

Assistant professor ends service

Wayne L. Detwiler Sr.

Wayne L. Detwiler Sr., assistant professor of vocational education, has retired after more than 26 years service.

Dr. Detwiler joined the University in 1965 as the area coordinator of industrial education. In 1966, he was named instructor of vocational education and in 1971, was promoted to assistant professor of vocational education. In the Department of Vocational Education, he has served as acting head of the department, coordinator of competency based vocational-industrial teacher education, director of the Extended Bachelors Degree in Vocational Education, which he initiated, and assistant director of the Center for Professional Personnel Development in Vocational Education.

Dr. Detwiler has served as a member of Faculty Council for the College of Education and several of its committees and as a member of the Sabbatical Leave Review Committee. He was the College of Education faculty marshal for six years and assistant University faculty marshal for two years. In addition, he served as a founding member and strong supporter of the College of Education Alumni Society.

Prior to joining the University faculty, Dr. Detwiler was assistant state supervisor of industrial education with the Pennsylvania Department of Education and a teacher of millwork and cabinetmaking in the Bethlehem public schools.

His education includes B.S., M.Ed. and D.Ed. degrees in vocational industrial education, all from Penn State.

His professional affiliations include the American Vocational Association, the Pennsylvania Vocational Association, the National Association of Industrial and Technical Teacher Educators, Phi Delta Kappa, the National Council of Local Administrators, the Vocational Industrial Clubs of America, and the Vocational Administrators of Pennsylvania.

Employees retire after years of service

Donald R. Vaughn, driver's helper in Business Services, has retired after 21 years service.

Mr. Vaughn started at Penn State in Housing as a janitor in North Halls.

His plans for retirement include deer hunting in Canada and driving to Alaska with his wife, Henrietta.

They are residents of West Decatur.

Donald R. Vaughn

Patricia A. Hankinson, residence hall utility worker, Housing and Food Services, from Jan. 18, 1978, until Feb. 29.

Education professor brings 22-year career to close

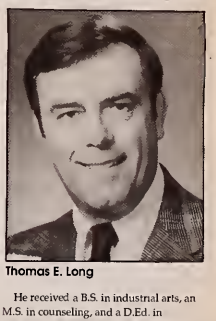
Thomas E. Long, professor of education, has retired with emeritus status after more than 22 years service.

Dr. Long joined the University in 1969 as an assistant professor. In 1972 he was named associate professor and in 1980 was promoted to full professor with a joint appointment in the Division of Counseling and Educational Psychology and Career Studies and the Division of Vocational Education. He also was a senior member of the Graduate Faculty and an adjunct faculty member in the Department of Psychology in the College of the Liberal Arts.

He has served the University in many capacities, including as a member of the University Hearing Board, the University Committee for the Protection of Human Subjects, and the University Faculty Senate. Within the College of Education, he served on the Faculty Council, the Academic Policy Committee, the Faculty Affairs Committee, the Promotion and Tenure Committee, the Career Education Committee, and the Curriculum Committee.

His professional activities include being named a Senior Fulbright Lecturer in Counseling and Psychology in Ireland, and receiving a German Marshal Fund/Spencer Foundation Visiting Lectureship on career issues in Germany. He is a member of Phi Delta Kappa, the National Vocational Guidance Association, and the American Vocational Education Association.

Before coming to Penn State, Dr. Long was a teacher and counselor in the Community School District in Hollidaysburg, a teacher and counselor in the Altoona High School, a director of the Research Coordinating Unit in the Pennsylvania Department of Education, and director of Research and Counseling in the Altoona Area School District.


Thomas E. Long

He received a B.S. in industrial arts, an M.S. in counseling, and a D.Ed. in counselor education, all from Penn State.

German professor and fellow retires emeritus

Rio T. Preisner, professor of German and fellow in the Institute for Arts and Humanistic Studies, has retired with emeritus rank after 22 years service.

Dr. Preisner, elected to the European Academy of Sciences and Arts in Salzburg, Austria, in 1991, has won national and international recognition for his work in German language and literature, in Czech language and literature and as a poet and translator.

His latest two-volume work also written in Czech is "Americana" on philosophical and political relations between the United States and Central Europe, which will soon be published in Prague.

A recognized poet, he has published seven volumes of poetry in Czech, has translated the poetry of Gerard Manley Hopkins, T. S. Eliot and Holderlin into Czech and selected and translated a book of aphorisms by Franz Kafka, which was published recently in Prague.

Dr. Preisner's first appointment at Penn State was as a visiting Fellow of the Institute for Arts and Humanistic Studies in 1968. He was appointed associate professor of German in 1969, was named professor in 1973 and fellow of the Institute in 1987.

Dr. Preisner received his doctorate in Germanic language and literature and philosophy from Charles University in Prague in 1950. He taught at Charles University until 1952. After having served in a work camp from 1952 to 1954 as an anti-Marxist, he engaged in private scholarly research, writing and translations in Prague from 1964 to 1969. He left Prague after Soviet tanks ended the "Prague Spring" in 1968 and spent a year in Austria before coming to the United States.

He intends to continue his scholarship and is currently working on a book of discourses.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, March 12. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02257, Applications Programmer/Analyst, Corporate Controller, University Park Campus** — Responsible to the Bursar for conducting analyses of data processing problems, determining detailed requirements to solve problems, formulating logical statements of systems problems and preparing computer programs to satisfy desired end results. Requires bachelor's degree, or equivalent, in computer science and one to two years of effective experience in computer programming and analysis, preferably in a student financial environment. Knowledge of IBIS, ISIS, ROSCOE and NATURAL is desired. STAFF GRADE 6.

■ **02258, Computer Operator, Computer and Information Systems, Management Services, University Park Campus** — Set up computer for each program and operate keyboard; prepare peripheral equipment with forms, cards, and tape files, load cards, set up printer, and mount tape reels, etc. Record card and form usage, complete job run sheets; operate computers. Requires high school graduate, or equivalent, with computer operator training, equivalent to two years of college, plus over one year up to and including two years of effective experience with data processing equipment. Note: The operational schedule for this unit is 24 hours per day, 7 days per week, including holidays. Assignment to any of the possible shifts should be anticipated. STAFF GRADE 4

■ **02259, Administrative Computer Systems Specialist, University Safety, University Park Campus** — Responsible to the manager of staff services for the efficient operation of the department's computerized systems to include technical support and hardware/software support; maintenance of local area network(s), as well as the maintenance of the electronic interface between the department, the University, and the municipal police. Requires associate degree, or equivalent, in computer science, computer programming, or related field plus two to four years of effective experience. STAFF GRADE 5

■ **02260, Coordinator, Facilities Resources/Space Management, Office of Physical Plant, University Park Campus** — Responsible to the director, Facilities Resources, for the administration of University unit relocations, for handling University-lessor/realtor relations, for conducting a variety of analytical studies, and for handling the day-to-day operation of the Facilities Resources function in the absence of the director. Requires bachelor degree, or equivalent, in business, logistics, or related field plus two to four years of effective experience in facility management/space utilization. STAFF GRADE 7.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by March 12.

■ **10248, Administrative Assistant, Department of Cellular and Molecular Physiology** — Responsible to the chairman of the Department of Cellular and Molecular Physiology and the associate dean for research and graduate studies, for business and administrative functions of the department, including budgetary responsibilities, personnel administration, departmental operational policies and liaison with other department and outside organizations. Requires a bachelor degree in business administration or a related field or equivalent, plus over one year up to and including two years of effective experience. STAFF EXEMPT, GRADE 6.

■ **10246, Associate Hospital Director, Department of Hospital Administration** — Responsible to the senior associate hospital director for assistance in the development of policies and goals for the University Hospital and for effective leadership and efficient management of assigned major University Hospital functional areas. Requires a master's degree in health care administration (or equivalent) with six to seven years effective experience. STAFF EXEMPT, GRADE 10.

In addition, there are a number of positions that, because of the frequency with which they become vacant, are still available after employees in the work unit have been considered. Some such positions are available on a fairly regular basis. They are not announced each time they are open. Instead, they are announced periodically so a pool of interested candidates can be developed. Applications for such positions may be made at any time, and you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions at Hershey are:

Cardiology Technician
Cardiovascular Technician, (also Senior Level)
Computer Tomography Radiologic Technologist, (also Senior Level)
Critical Care Monitoring Technician
Cytotechnologist/Histotechnologist, (also Senior Level)
Licensed Practical Nurse
Magnetic Resonance Imaging Technologist, (also Senior Level)
Medical Assistant
Medical Technologist, also CLA, MLT, CLT-Hew, (also Senior Level)
Neurophysiology Technician
Nuclear Medicine Technologist, (also Senior Level)
Occupational Therapist
Ophthalmic Technologist
Perfusionist
Pharmacist
Physical Therapist/Assistant
Physician Assistant
Psychiatric Assistant, (also Senior Level)
Radiologic Technologist, (also Senior Level)
Radiotherapy Technologist, (also Senior Level)
Research Support Assistant/Associate, also J.R.T., R.T., S.R.T.
Respiratory Therapist/Technician/Clinical Specialists
Speech Language Pathologist
Staff Nurse
Surgical Technician
Transplant Coordinator
Ultrasound Technologist, (also Senior Level)
Utilization Review Coordinator/Auditor
Utilization Review Specialist
Vascular Radiologic Technologist, (also Senior Level)

Internal search

Penn State Harrisburg to fill assistant provost post

Penn State Harrisburg announces an internal search for the position of assistant provost, community outreach/economic development.

Reporting to the associate provost of the College, the assistant provost will identify, coordinate and foster the extension of education, research, and public service activities to the community.

The assistant provost will work cooperatively with faculty, staff, students and alumni to meet the College's mission as a metropolitan college. Other activities will include developing marketing communications strategy, as well as coordinating, encouraging and guiding the College's units engaged in community outreach/economic development.

Candidates must have a master's degree; be employed by Penn State; demonstrate extensive experience in economic development and regional planning activities; have significant administrative history, and a proven ability to work with government agencies, business and industry.

Appointment to the position will begin as early as July 1. Closing date for applications is April 6. Applicants should submit a letter of application and resume to: Ms. Sandra Jackson, Search for Assistant Provost, Community Outreach/Economic Development, Penn State Harrisburg, 777 W. Harrisburg Pike, Middletown, PA 17057-4898.

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

March 5, 1992
Vol. 21, No. 24

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INTERCOM

March 19, 1992 Volume 21, Number 25

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Report on gender equity in athletics is released

Shirley Smith Hendrick, chair of the Commission for Women, and President **Joab Thomas** recently released a report advocating a series of recommendations dealing with gender equity in intercollegiate athletics at Penn State.

"I am very pleased with the leadership the Commission for Women has taken in this area," Dr. Thomas said, explaining that gender equity in intercollegiate athletics is high on the agenda of the Big Ten presidents as well as the National Collegiate Athletic Association.

"I expect that Penn State will continue to take a leadership role in both arenas," he added, noting that the University has a nationally recognized program for women athletes.

"The Commission for Women appreciates the attention and support Dr. Thomas has given to the report," Dr. Hendrick said, indicating that a number of issues addressed have been of concern since the work of the Strategic Study Group on the Status of Women was completed in 1990. "We look forward to working toward continued progress based on a strong foundation of women's sports at Penn State."

Dr. Hendrick expressed her thanks to former chair of the Commission for Women, **Jill Findeis**, who headed the committee that prepared the report.

In discussing the report with the Commission for Women, President Thomas noted that the Intercollegiate Athletics program at Penn State is self-supporting and receives no funding from tuition or appropriated dollars.

"This is not the case at many Division I schools, " he added. "Because of the very successful football program at Penn State, we are able to support all of the 28 sports largely from football resources."

> ***"We are pleased to report that progress at Penn State continues and, with the exclusion of football, we have essentially achieved gender equity."***
>
> **President Thomas**

He explained that because football is something of an anomaly, Division I institutions have traditionally not included the sport of football in making gender equity comparisons. Even with its exclusion, he said, many institutions are far from achieving real equity.

"We are pleased to report that progress at Penn State continues and, with the exclusion of football, we have essentially achieved gender equity," Thomas said. "There is still some progress to be made and we are working with Penn State's Commission for Women in accomplishing this."

In response to the recommendations made in the report, Thomas advised the Commission for Women that he will:

- Charge the Department of Intercollegiate Athletics to report annually to him on gender equity in the use of facilities, budgets, support staff, and salaries at University Park. In addition, he will ask **Robert E. Dunham**, senior vice president and dean of the Commonwealth Educational System, to report on the same matters for the CES.
- Ensure the inclusion of a component on gender equity in the strategic plan being developed by the Department of Intercollegiate Athletics.
- Direct that Penn State review the ruling of the Office of Civil Rights currently being developed regarding full compliance with Title IX of the Education Amendments of 1972. Dr. Thomas said the University will make every effort to ensure it achieves full compliance if, it is not already in compliance.
- Support ongoing efforts in the Department of

See 'Equity report' on Page 4

President of foundation to give Oswald Lecture on March 25

David Mathews, president and chief executive officer of the Charles F. Kettering Foundation, will give the 1992 John W. Oswald Lecture in Higher Education at 8 p.m. Wednesday, March 25 in Room 112 Walker Building at University Park.

David Mathews

The foundation works on problems in science, education, international affairs, policy development and government problem solving -- all with an emphasis on the role of the public.

Prior to his work with Kettering Foundation, Dr. Mathews served as secretary of the U.S. Department of Health, Education and Welfare from 1975 to 1977, and as president of the University of Alabama from 1969 to 1980, where he also was a faculty member for 15 years.

The author of books on higher education and democratic theory, Dr. Mathews also has written more than 85 articles on southern history and regional development, the making of public policy, federal social policy and international problem solving.

Among his professional accomplishments are serving as a board member for the Academy for Educational Development; chair of the Council on Public Policy Education, and trustee for the Gerald R. Ford Foundation and the Charles F. Kettering Foundation.

He has received numerous awards including a citation as one of the Ten Most Outstanding Young Men in the Nation, the Nicholas Murray Butler Medal from Columbia University and the Brotherhood Award from the National Conference of Christians and Jews. He is the recipient of 14 honorary degrees.

His degrees include a bachelor of arts in history and classical Greek, graduating Phi Beta Kappa, from the University of Alabama, and a Ph.D in history from Columbia University.

PENNSTATE

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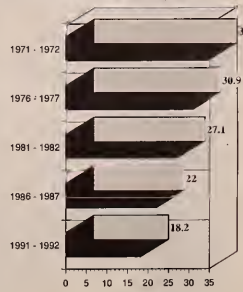
Fast Facts

State Share of Overall University Budget over the last 20 years



Focus on Diversity

Media Center in Cultural Diversity addresses need for educational programming

University administrators and faculty and staff members will attend a planning meeting Tuesday, March 24, for the National Media Center in Cultural Diversity.

The Center, a unit of Penn State Continuing Education, evolved from a two-year study on the role of media in promoting increased awareness and understanding among diverse groups. **Shelia K. Martin** was named director of the Center last July.

"The goals of the planning meeting are to introduce the Center to faculty and staff members and to increase their awareness of and involvement in using the resources of the Center, as well as to include them in planning for future projects," Ms. Martin said.

"Changing demographic trends are pointing toward shifts in minority populations. In the future, groups once viewed as minorities will constitute a majority of the American population. This growing diversity will affect how Americans conduct business, how we educate our children and ultimately how we define what it means to be American."

The National Media Center in Cultural Diversity is designed to address the increasing need for diversity-related educational programming for educational institutions, businesses and governmental agencies. Its mission is to facilitate understanding among people of diverse cultural backgrounds through the use of educational media.

As a clearinghouse for the production and dissemination of multicultural instructional media, it will assist with funding, design, development and delivery of instructional programming through the Commonwealth Campuses, Continuing Education centers, Independent Learning, Audio-Visual Services, the National Cable Center and Museum and WPSX-TV.

The Center's services range from providing courses, programs, films, videos and lectures reflecting the multicultural human experience to producing materials to assist educators, business and industry.

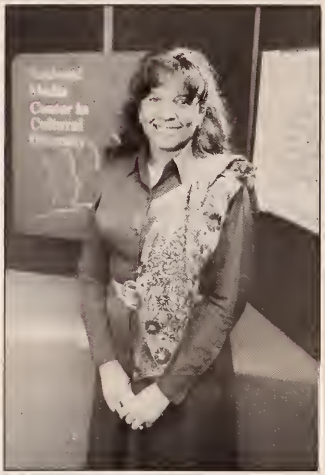
"For the past two years, we have been building a relationship with Black Entertainment Television aimed at developing and producing original dramas by minority writers for PBS and cable distribution," **Bruce Dunn**, head of programming and production at WPSX-TV, explains.

WPSX-TV and BET are finalizing plans on their first production, which could get under way this summer. Funding for the project will come from BET and from some of the underwriters of WPSX-TV, Mr. Dunn says.

During the March 24 planning meeting, which will be held in the Nittany Lion Inn, invited guests will have an opportunity to discuss the kinds of projects and activities the Center will pursue in the coming months, including the WPSX-BET drama project.

The meeting will begin with comments by **James H. Ryan**, vice president for Continuing Education, and **James B. Stewart**, vice provost for underrepresented groups. **Jefferi L. Lee**, vice president for operations for Black Entertainment Television, will present the keynote address during a luncheon program.

Following the planning meeting a University advisory committee will be formed to advise the Center on major initiatives to be undertaken and to serve as an advocate for the Center. A national advisory board also will be named to annually review the Center's activities and to chart future areas of growth.



Sheila K. Martin, director of the National Media Center in Cultural Diversity.

Diversity Opportunities Calendar

Through March 31
Penn State Bookstore, 8 a.m. to 5 p.m. weekdays, Bookstore Building. Women's History Month display featuring books by and about women, and the issues facing society today in regard to the women's movement. More than 300 books covering the topics of social commentary, the politics of race and gender, the arts, poetry, psychology and more are available.

Thursday, March 19
Center for Minority Staff Development, 3:30 to 5 p.m., 319 Rider Building. Presentation titled, "Coping Strategies for Working in a Predominately White Environment," by Forest Wortham, coordinator of off-campus living.

Penn State Bilingual Program and College of Education Dean's Office, 7:30 p.m., 305 Keller Conference Center. Presentation titled, "Hispanic Professional Leadership in Education and other Areas," by Lillian Escobar-Haskins, executive director of the Governor's Commission on Latino Affairs.

Saturday, March 21
Center for Minority Faculty Development, 9 a.m. to noon, 313 Kern Graduate Building. Vitae development is the sixth in a series of faculty development workshops. James Stewart, vice provost, will be the speaker. To make reservations, contact Leah Witzig at 863-1663.

The 15th Annual Caribbean Experience, 5:30 p.m., HUB Ballroom, sponsored by the Caribbean Students Association. Event features special Caribbean cuisine, folk dances, steel pan music and live music. Tickets are $10 for adults, $5 for children. Admission is free after 9 p.m. For information contact the Paul Robeson Cultural Center at 865-3776. Portion of the proceeds supports annual fellowship.

Monday, March 23
Center for Women Students, 3 to 5 p.m., 120 Boucke. Workshop titled, "Languages of Homophobia," facilitated by Grace M. Fala, speech communication Ph.D. candidate. Workshop explores ways in which language is used systematically to manifest and perpetuate discrimination against lesbian, gay and bisexual persons.

Tuesday, March 24
Paul Robeson Cultural Center Auditorium, noon to 12:50 p.m. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Wednesday, March 25
Center for Women Students, noon to 1 p.m., 120 Boucke. Presentation titled, "La Onda Visual de las Chicanas — The Political Visual Expression of the Chicanas," by Santa Barraza, assistant professor, School of Visual Arts.

Paul Robeson Cultural Center, 7 to 8:30 p.m. Showing of film "Through the Wire," followed by discussion titled, "Are women prisoners of conscience treated harshly?"

Thursday, March 26
Professor Elliot Fratkin will discuss Women and Development in Rural Northern Kenya at the Black Studies Program Coffee Hour, 4-5 p.m., in the Paul Robeson Cultural Center Conference Room.

Penn State Erie, the Behrend College, 7 p.m., 101 Behrend Science Building. Free screening of Spike Lee film "Jungle Fever," followed by discussion led by Lillie Wiley, coordinator of residence life.

Focus on Diversity

Commission for Women 10th Anniversary

Woman president to be final speaker in series

The Commission for Women will culminate its 10th anniversary celebration on Monday, March 30 with its annual banquet where **Carol A. Cartwright**, president of Kent State University, will speak. A reception will be held at 5:30 p.m. in the HUB Fishbowl, followed by the banquet in the HUB Ballroom.

Dr. Cartwright, former Penn State vice provost, is Kent State's first woman president and Ohio's first woman president of a state college or university. Prior to becoming Kent State's tenth president in March 1991, she served as vice chancellor for academic affairs at the University of California at Davis. Dr. Cartwright was Penn State's dean for undergraduate programs and vice provost from 1984 to 1988. She served as the University's associate dean for academic affairs from 1981 to 1984. She was also a faculty member in the College of Education for 21 years.

Dr. Cartwright has authored and co-authored numerous books, chapters and articles in professional journals dealing with various aspects of early childhood education and special education. In July 1991, she was elected vice chair of the board of directors of the American Association for Higher Education, the nation's leading independent association dedicated to improving the quality and effectiveness of higher education. She will be named chairperson in 1993.

The Kent State president holds doctorate and master's degrees in special education from the University of Pittsburgh, and earned her bachelor's degree from the University of Wisconsin at Whitewater. She was the first recipient of UW-Whitewater's Outstanding Young Alumni Award in 1971.

The Commission for Women's 10th anniversary speaker series was designed to increase the visibility of former and present Penn State women, while also acknowledgeing their achievements. Dr. Cartwright's presentation is the last in the series. Tickets for this event are $17.50 and must be purchased in advance. For an additional $10, individuals may contribute to the Student Banquet Fund to enable students who otherwise could not afford a banquet ticket to attend.

For more information contact the Commission for Women office at (814) 865-1683.

Carol A. Cartwright

Slavic Folk Festival set for March 27-29

An annual festival showcasing the cultural achievements of Pennsylvania's Slavic-American ethnic group will be held from 10 a.m. to 10 p.m. Friday, March 27 and Saturday, March 28, and from 1-6 p.m. Sunday, March 29 in the HUB Ballroom at University Park.

The fourteenth annual Penn State Slavic Folk Festival over the three-day period will feature exhibits, demonstrations of folk art, and live performing groups. Activities will include demonstrations of Ukrainian Easter egg decorating, special events for children, book and artifact booths, folk dance demonstrations and dramatized folk tales with audience participation. Exhibits of Czech, Slovak, Belarus, Slovenian, Ukrainian, Carpatho-Rusyn, Polish, Serbian, Croation, and Russian folk arts will be on display throughout the festival. An ethnic snack bar will also serve hot foods. The festival is sponsored by the Department of Slavic Languages and the Penn State Chapter of Dobro Slovo, the national Slavic studies honor society. The festival and activities are free to the public.

The schedule of events include:

Friday

- 7 p.m. - Performance by the Penn State Internationale Dancers
- 8 p.m. - Music by the Polka Players and polka and waltz contests.

Saturday

- Performances by the Czechoslovak-Moravian Club Dancers of Endicott, NY, the Slavjane Folk Ensemble from McKees Rocks, and the Kazka Ukrainian Folk Ensemble from the Wilkes-Barre area. A folk dance party is scheduled for Saturday evening.

Sunday

- The Slovenian Cultural Group Chorus and the Polonia Polish Folk Dancers, both from the Pittsburgh area, will perform.
- A program of Russian vocal music by the State College Choral Society, a polka concert and repeat performance by the Penn State Internationale Dancers.

Diversity Briefs

Conference on women's issues

"Challenges and Opportunities for Women," a conference focusing on women's issues, will be held Saturday, March 28, in the Conference Center at the Penn State York Campus.

The day-long program, from 8:30 a.m. to 3 p.m., is designed to encourage leadership, provide a forum for women's concerns and offer opportunities to develop and grow. In previous years more than 100 participants, men and women, have attended the event, now in its fourth year.

Registration for "Challenges and Opportunities for Women" is $20 through March 20 and includes lunch. After March 20 the conference fee is $25 and some sessions may be filled. To register or for more information please call (717) 771-4045.

Women's Alliance

The Women's Alliance, a town-and-gown networking group, will be meeting at noon on the third Wednesday of each month for lunch, at the Canton Restaurant (222 Calder Way), State College. Professional women in State College and at the University are welcome to join for informal discussion and networking. No reservation required.

Presentation on Native Americans

A luncheon lecture/discussion at 2 p.m. on Tuesday, March 24 at Penn State Great Valley featuring **Victor Dupuis**, professor of education, will focus on the Lenape and Seneca Indian tribes of Pennsylvania.

The presentation, titled "More than Lenapes: Native Americans in Pennsylvania," is part of the cultural heritage series sponsored by the Commonwealth Federal Savings Bank. "Celebrate America: A Patchwork of Diversity" is the theme of the series which recognizes the origins of Native Americans during the month of March.

Dr. Dupuis will discuss various Native American groups in Pennsylvania and will explore their plight. The cost of the lunch is $12. For more information, contact **Francine Stackhouse** at (215) 648-3208.

Schuylkill observes Women's History Month

In a three-part series titled "Celebrating Women: Voices and Vision," the Schuylkill Campus will pay tribute to Women's History Month observed in March. The campus will continue its celebration at noon, on Friday, March 20 with a program honoring the accomplishments of the Penn State Commission for Women. **Mary Dupurs**, professor of education and immediate past chair of the commission, will be in attendance. The accomplishments of the Schuylkill Campus Liaison Committee to the commission will also be featured during this event.

As the final part of the series, "The Solitude of Self" by **Kelli Eberlein**, library assistant, will be presented at noon on Monday, March 23 in the Conference Center. Mrs. Eberlein, a graduate of Penn State's College of Theatre Arts, will perform a dramatic reading of Elizabeth Cady Stanton's speech delivered at the 1892 Convention of the National American Woman Suffrage Association.

The series kicked off on Wednesday, March 4, with a dialogue by four faculty members detailing their individual journeys through life

Women in Engineering

Conference to focus on engineering, math and science careers for girls

Area 8th and 9th grade girls can work with industrial engineers, astronomers, agronomists and other women in engineering and science careers during the second annual Expanding Your Horizons™ in Science, Mathematics, and Engineering conference from 9 a.m. to 3 p.m. Saturday, April 11, at University Park. March 27 is the registration deadline for the conference.

"Expanding Your Horizons conferences are geared toward encouraging girls' interest in math and science in order to expand their career options," according to **Sharon Jadrnak Luck**, director of the Women in Engineering Program and conference coordinator. "In the United States, girls typically quit taking math and science courses earlier than boys, and the long term result is that girls do not have as many career options available to them."

More than 50 women who work in science and engineering fields will present hands-on workshops and discuss their experiences and education at the conference. Several of the student workshop topics for the conference are "Astronomy: More Than Just Stargazing;" "Gases, Balloons, and Explosions;" "Plant Cells and Viruses: Seeing the Unseeable;" "Radioactivity in Everyday Life," and "The Facts Behind the Forecast."

Workshops for parents, teachers, and counselors also are offered during the conference. Registration forms are available from guidance offices in middle and high schools in Centre, Clinton, and Clearfield counties, or from the University by calling (814) 865-7138. A $6 fee includes lunch. Participation is limited, and registration is on a first-come basis.

Equity report

Continued from Page 1

Intercollegiate Athletics to examine the appointments of coaches of women's and men's sports in terms of gender equity.

- Support ongoing efforts in the Department of Intercollegiate Athletics to review gender equity in terms of scholarship support for men and women athletes.
- Support continued efforts to provide equitable media visibility for women's teams.
- Support ongoing efforts to hire a female team physician.
- Consider appointing a woman to serve jointly with faculty member **John Coyle** to represent Penn State in the NCAA (this is being reviewed in the University's study of current thinking and trends in the Big Ten).
- Authorize the appointment of a permanent committee within the Commission for Women charged to review progress in women's athletics. Dr. Findeis will serve as chair of the permanent committee; Associate Athletic Director **Ellen Perry** or her designee will be the permanent liaison from the Department of Intercollegiate Athletics to the Commission for Women for this purpose.

Dr. Thomas also advised commission members that it is unlikely he could encourage the Department of Intercollegiate Athletics to use mandated reductions in scholarship levels for certain sports in order to increase scholarship support for lower priority sports.

"The severe pressure on overall Intercollegiate Athletics' budgets will make this unlikely," he said. "More likely, will be a Big Ten-driven major review of priorities and sports sponsorship, with gender issues appropriately considered." The University will play an appropriate role as these issues are resolved.

Dr. Thomas noted his personal commitment to fair access to facilities.

"This is a complex matter that extends beyond gender issues, but we shall continue to address it with sensitivity and fairness," he said.

Dr. Thomas also said that maintenance of safety in the use of facilities will continue to be reviewed within the resources available to the University, and that the Commission for Women's call for workshops on gender equity as part of its regular program has been addressed by the Department of Intercollegiate Athletics. A series of such workshops is under way this year.

News in Brief

Annual spring auction

The annual Spring Auction will be held at the Salvage and Surplus Warehouse at University Park on Friday, April 10. Any departments wishing to send items to be included for sale at this time should call Salvage Warehouse (814) 865-4371 immediately to make arrangements for these items to be picked up and transported to the warehouse.

Microcomputer conference

The Microcomputer Information Exchange Conference and Computer Fair: Reinventing Education will be held March 20 and 21 at the Keller Conference Center and the Nittany Lion Inn at University Park.

The focus of the conference and computer fair is on the impact of computers on education at all levels. The conference and computer fair will offer participants opportunities to acquire and share up-to-date information on computer software programs and microcomputers.

Participants must register for the conference and special pre- and post-conference workshops; however, the computer fair is free to the public from 11 a.m. to 6 p.m. Friday and from 9 a.m. to 3 p.m. Saturday in the Nittany Lion Inn.

For more information or to register for the conference, contact Donna Ricketts, 409 Keller Conference Center, at (814) 863-1743; fax (814) 865-3749.

Technology in new classrooms

Faculty who would like to discuss the features of the new classroom building at University Park are invited to meet with the Technology Subcommittee of the University Classroom Improvement Committee.

The roundtable discussion will be held from 1 to 2:30 p.m. Tuesday, March 24, in Room 232 Chambers Building.

Faculty will have a chance to discuss such issues as audio-visual facilities, computer facilities, and telecommunications support. These new classrooms will be available for the fall semester.

For further information about technology classrooms, contact **Judith V. Boettcher**, Center for Academic Computing (865-0814) or **Richard T. Sodergren** (863-1024), Registrar's Office.

Conference interpreters needed

Spanish/English and Spanish/French interpretation assistants are needed for the Eighth World Congress for Rural Sociology at University Park Aug. 12-16. Bilingual fluency required, interpreting experience desirable. For information and application, contact Mark Nord, 204 Weaver Building, phone 865-0455.

Supercomputing conference

The University will host a national conference on supercomputing—SUPER (Supercomputing by University People for Educational Research)—April 5 to 8 in the Keller Conference Center at University Park.

The conference will feature speakers from five universities, IBM, industry, and the national research laboratories.

Topics will include computational chemistry and biology, massively parallel computing, distributed computing, visualization, and computational science in secondary education. A demonstration of some of IBM's lastest technology will be held.

AAUW Book Sale

The 31st annual American Association of University Women Book Sale will be held Saturday, April 4, through Wednesday, April 8, in the ballroom of the Hetzel Union Building at University Park.

Hours are 3 to 9 p.m. April 4, and 9 a.m. to 9 p.m. April 5 through April 8. There will be half price on all remaining books on Tuesday, April 7, and books by the bag for $4.00 on April 8.

This year's sale features an exceptional collection of antiquarian volumes. All proceeds benefit fellowships and educational projects.

Couples' weekend

The Individual and Family Consultation Center will offer a couples' weekend enrichment program April 4-5 at University Park.

The program, called "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs, and opinion. The program teaches relationship strategies and skills for addressing such topics as disciplining children, spending money and coping with dual-career issues.

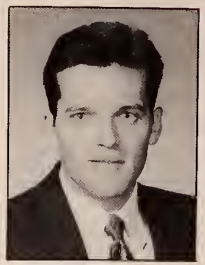
The cost for the weekend is $125 for an individual and $200 for a couple. For more information or to enroll, call (814) 863-1751.

Evening child care during finals

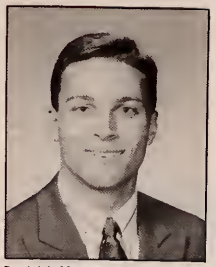
On-campus evening child care at Cedar Building will be available Monday through Friday, May 4, 5, 6, 7, and 8 from 6 p.m. to 9:30 p.m., and on Saturday, May 9 from 7:45 a.m. to 2:15 p.m. for children ages 3-12 years. Advance reservations are required by Friday, May 1, 1992.

To register call 865-5886. Cost for students is $1 per hour (faculty/staff - $2 per hour) for each child.

Appointments



David J. Lieb



Daniel A. Macaluso

David J. Lieb has been appointed director of development, University programs.

His primary responsibility will be planning and implementing fund-raising activities for interdisciplinary programs and University-wide initiatives as part of the overall, comprehensive development plan for the University. He also will be responsible for the solicitation of major gifts, planned gifts, and corporate gifts.

Mr. Lieb joined the University staff in 1989 as a regional coordinator in the Office of University Development. In that role, he recruited, trained and coordinated volunteer alumni fund-raising committees in major metropolitan areas as part of The Campaign for Penn State.

Since August 1990, he has been development officer in The Smeal College of Business Administration, where he was responsible for the identification, cultivation and personal solicitation of major gift prospects.

Mr. Lieb is a 1986 graduate of Indiana University of Pennsylvania, with a bachelor of arts degree in geography. Prior to joining the University staff, he served as a district executive for the Boy Scouts of America in DuBois.

Daniel A. Macaluso has been appointed director of development for the School of Communications.

In his new position he will be responsible for planning and implementing a comprehensive fund-raising program, including major gift solicitation, corporate giving, planned giving and annual giving programs, in concert with other University-wide development programs.

Mr. Macaluso is a 1987 graduate of Penn State with a bachelor of science degree in marketing. He joined Professional Planning Consultants of State College as a financial consultant and was a circulation district manager of *The Centre Daily Times*.

He joined the University staff in 1989 as a regional coordinator in the Office of Annual Giving and in 1990 was appointed development officer in the Eberly College of Science.

Mr. Macaluso has served as a volunteer on the Development Committee for the Central Pennsylvania Festival of the Arts and as a development consultant for the Friends of the Pennsylvania Military Museum.

Finance and operations reorganizes in move to streamline organization

Steve A. Garban, senior vice president for finance and operations treasurer, has announced organizational changes in his areas of responsibility. Additional responsibility will be given to both **James Wagner**, vice president for business and operations, and to **Gary Schultz**, assistant vice president for finance and operations.

The entire operation of the Nittany Lion Inn will report to Mr. Wagner.

Mr. Schultz will assume responsibility for the day-to-day operations of the financial, budgeting and accounting functions of the University and will report directly to Mr. Garban. Mr. Schultz's title will be changed to associate vice president for finance.

As a result of these changes, Mr. Schultz and Mr. Wagner will have responsibility for the day-to-day operations of Business, Finance and Operations. **James I. Tarman**, athletic director, will continue to report through the senior vice president for finance and operations to the president.

"These changes should streamline the organization, provide for greater efficiency and effectiveness, and better position Finance and Operations for the changes it faces during the present period of fiscal constraints. No new management personnel will be hired," Mr. Garban said.

President Thomas indicated these changes will allow Mr. Garban to supervise these activities and concentrate on the overall financial and physical facilities planning for the institution, as well as policy matters regarding finance, business and operations. "Mr. Garban also will continue as chairperson of the Investment Committee," Dr. Thomas said.

Trustee to speak at business conference

Trustee President **Mimi Coppersmith-Fredman** will offer her perspectives on women in leadership roles at a conference to be held at University Park on April 1.

Chief executive officer of The Barash Group and the first woman to chair the Board of Trustees, Ms. Fredman is expected to share her view that women leaders do not have the same freedoms as their male counterparts and must be aware of how their roles differ.

In her address, "Women in Top Leadership: A New Business Dimension," she also will describe her experiences in business and public service.

Ms. Fredman's comments will keynote a daylong session titled "Maximizing Your Professional Potential: Contemporary Perspectives in Today's Business Environment." Sponsored by the Penn State chapter of the Graduate Women in Business, it will be held in the Keller Conference Center, from noon to 10 p.m.

Workshops will cover strategies for overcoming "the glass ceiling," sexual harassment, gender and ethnic stereotypes, and the intangibles that can make women successful.

Mimi Coppersmith-Fredman

Speakers will include **Lenore Cameron**, director of the Women's Bureau of Business, Harrisburg; **Pat Csumy**, hypotherapist, State College; **Janet Davis**, principal partner, Greer Associates, Princeton, N.J.; **Janice McElroy**, executive director of the Pennsylvania Commission for Women; **Marianne Miller**, vice president of budgeting, planning and internal audit, Unimart Inc., State College; **Louise Sandmeyer**, manager of the Penn State Human Resources Development Center; and **Cecile Springer**, president of Springer Associates, Pittsburgh, and a member of the Board of Trustees.

Reservations for the conference may be made by contacting **Eric Loop** at the Keller Conference Center, (814) 865-2781. The deadline for registration is March 15.

Carpoolers

Seeking transportation to and from the Hershey Medical Center on Wednesdays, Thursdays and Fridays. Call **Donna** at 865-3453 (work) or 867-7109.

One rider needed to join carpool from Lock Haven to University Park. Work hours are 8 a.m. to 5 p.m. Call **Wayne** at 863-0837.

Three openings on vanpool from Lewistown to University Park. Work hours are 7 a.m. to 3:30 p.m. Call Fleet Operations at 865-1757 or Bob at 248-9547 (after 5 p.m.).

Beth would like to share a ride from the Altoona/Tyrone area to University Park. Work hours are from 8 a.m. to 5 p.m. Call 865-2578.

Focus on the arts

Odyssey on WPSU

The letter-poems of Pierre Sentat, the cobbler poet of Lectoure, are the subject of the next Odyssey Through Literature program.

Vera Mark of the French Department and host **Leonard Rubinstein** read and discuss Mr. Sentat's folk poetry, written in the "dying" language of Gascon. Dr. Mark, whose doctorate is in anthropology and who "brings anthropological perspectives to the study of French language and literature," explains the political message behind the poet's use of Gascon, noting that Mr. Sentat was a pariah following WWII.

"Folk poetry," she notes, "is very much a means to give rise to thoughts that have no other avenues of expression."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Philharmonic ball

The Penn State Philharmonic will present its fourth annual Philharmonic Ball from 9 to 11:30 p.m. Saturday, March 28, in the Board Room of the Nittany Lion Inn at University Park.

The Philharmonic will be performing waltzes, polkas, two-steps, tangos and ballroom melodies for listening and dancing. Formal and informal attire are welcome.

Tickets to the ball are $5 for adults and $4 for students. They may be purchased in 221 Music Building or at the door. Proceeds from ticket sales will help fund the Philharmonic's May 1993, tour to Budapest, Vienna, Munich and Stuttgart. For more information, call (814) 863-0696.

Opera workshop

The Penn State Opera Workshop will perform G.B. Pergolesi's "The Perfect Wife" ("La Serva Padrona") at 8 p.m. Sunday, March 29, in the School of Music Recital Hall at University Park.

The short opera, "The Perfect Wife," originally conceived as an intermezzo between acts of a longer work, became the prototype for "opera buffa." Its debut in Paris in 1752 sparked controversy between those favoring naturalistic opera and those favoring the more restrained French national opera.

The performance is free to the public.

Lectures scheduled

Barbara Babcock, professor of English at the University of Arizona, will present the lecture, "Maids of Palestine: Pueblo Pots, Potters, and Politics of Representation," at 8 p.m. Tuesday, March 31, in 112 Walker Building at University Park.

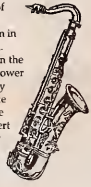
The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

At 8 p.m. Tuesday, April 7, in 112 Walker, Peter Jemison, artist and site manager for the Ganondagan State Historic Site in Victor, N.Y., will present the lecture, "Voices of Conscience."

Mr. Jemison is a member of the Cattaraugus tribe of the Seneca nation. His paintings and mixed media works have been shown in group and one-person exhibitions throughout the United States. He served as gallery director at the American Indian Community House, Inc., in New York City, from 1978-1985, when he became site manager at the Ganondagan State Historic site.

The lectures are free to the public.

Horn ensemble



The Penn State Horn Ensemble, under the direction of **Lisa O. Bontrager** of the School of Music faculty, will perform in concert at 12:10 p.m. Thursday, April 2, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include works by Doppler and A. Wunderer and arrangements of works by Brahms, Gabrielli and de Lasso.

The ensemble consists of 18 French horn students, most of whom are music majors. Catherine Totman, graduate student in horn performance, is assistant director and librarian.

Masekela to perform

Hugh Masekela, the South African jazz trumpeter and composer, will perform in concert at 8 p.m. Wednesday, April 1, in Eisenhower Auditorium at University Park.

For nearly 30 years, Hugh Masekela has produced music that defies categorization. American rhythm and blues, Motown tunes, swing, bebop, reggae and West African folk songs are the ingredients for Masekela's upbeat, danceable South African sound called "township jive."

Pianist in concert

Pianist Yefim Bronfman will perform in concert at 8 p.m. Saturday, April 4, in Eisenhower Auditorium at University Park.

The program will include Scarlatti's Sonata in C minor, Sonata in F major and Sonata in D major, Beethoven's Sonata in E-flat major and Brahms's Sonata in F minor.

Born in the former Soviet republic Uzbekistan, Mr. Bronfman began piano lessons at age 7. As a youth, he studied at a Soviet conservatory that refused admittance to most Jews. When he was 15, his family emigrated to Israel.

Mr. Bronfman made his international debut with Zubin Mehta and the Montreal Symphony in 1975. He has performed with numerous symphonies and festivals internationally, including the New York Philharmonic, London Philharmonia, Berlin Philharmonic and Toronto Symphony Orchestra.

Concert choir

The Penn State Concert Choir and Chamber Singers, under the direction of **D. Douglas Miller**, will perform in concert at 8 p.m. Friday, April 10, in Schwab Auditorium at University Park campus.

Featured will be works by three major composers of the 17th, 18th and 19th centuries, including "Musikalische Exequien," by Heinrich Schutz, "Komm, Jesu, Komm," by Johann Sebastian Bach and "Warum ist das Licht gegeben," by Johannes Brahms.

The Chamber Singers, a 20-member ensemble selected from the 75-member Concert Choir, will perform a chanson by Clement Janequin that captures the sounds of dozens of different bird calls and movements from Tomas Luis de Victoria's Requiem Mass for six voices.

Photo Exhibits

An exhibition of works by **Mark Dellert**, master of fine arts candidate in photography in the School of Visual Arts, will be on view Saturday, April 4, through Friday, April 19, in Zoller Gallery at University Park.

The exhibition includes photographs that juxtapose beauty and destruction in the man-altered landscapes of construction sites.

Zoller Gallery is in the Visual Arts Building at University Park. Gallery Hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

A photography exhibit by Jennifer Tucker is on display in the HUB's Formal Art Gallery at University Park through March 29.

Her work is described as a collaborative effort with the subject in which she "co-creates the image of experience." This exhibit displays her interest in woman's history, as well as her interest in the herbal healing arts. Since 1969, she has had six one-person exhibits on the East Coast and has participated in nearly 20 group exhibitions.

DanceBrazil

DanceBrazil, a 20-member company of dancers and musicians, will demonstrate Brazil's vibrant and exotic native dances at 8 p.m. Thursday, April 9, in Eisenhower Auditorium at University Park. The show is sponsored by the Center for the Performing Arts.

Founded in 1977 by Jelon Vieira, DanceBrazil is most famous for its breath-taking martial arts dance, capoeira. Dancers, who call their sport "playing the game," jump, flip, whirl, cartwheel, dodge and feint to the haunting strains of an instrument called a berimbau.

A samba unlike any seen on a ballroom floor, the maculele, another combative dance performed with sticks and real knives, and the candomble, a ritual dance of the Yoruba religion, round out DanceBrazil's dazzling repertoire.

Color Slide Club

The Color Slide Club of State College will display prints from 35 mm slides taken by local members, through March 29 at the Browsing Gallery in the HUB at University Park.

A sample of what will be on display at the Color Slide Club exhibit through March 29.

Arts at...

Beaver Campus

The Cultural Affairs Series will present two free performances in March. Pop-folk artist Janet McLaughlin, identified as one of the brightest new artists in the vocal world, will perform on Wednesday, March 25 at 7 p.m. in the Laboratory Classroom Building auditorium. The Singing Lions from the University Park Campus will present a fast-paced show of 20th century popular music on Thursday, March 26 at 7 p.m. in the Student Union Building.

Delaware County Campus

Singer/songwriter John Stewart will perform in concert at 8 p.m. Saturday, March 28, at the Penn State Delaware County Campus. The concert is one of the special events planned as part of the

See 'Arts' on Page 12

University Park Calendar

March 19 - 29

Special Events

Thursday, March 19

- International Lecture Series, 9:30-11 a.m., 222 Boucke. Julia Cuervo Hewitt on "The Influence of the African Heritage on Spanish Caribbean Literature."

Concert, noon, Kern Lobby. "A Touch of Steel," Steel Drum Band.

Friday, March 20

Trustees meet, Hershey, through March 21.

Geo. Coffee Hour, 4 p.m., 319 Walker. Refreshments, 3:30 p.m. Samuel Hayes, Pa. legislator.

School of Music, 8 p.m., Recital Hall. Winners of the 1992 Penn State Philharmonic Concerto Competition will perform. Free.

Saturday, March 21

Faculty Development Workshop, Vitae Development, 9 a.m.-noon, 313 Kern. James Stewart, speaker. Reservations, Leah Witzig, 863-1663.

- The 15th Annual Caribbean Experience, 5:30 p.m., HUB Ballroom. Tickets at Paul Robeson Cultural Center, 865-3776.

Sunday, March 22

Carnegie Hall Film Series, 7 p.m., Rosa Luxemberg (1985); 9:15 p.m., The Big Clock (1948), Carnegie Cinema. Free.

School of Music, 8 p.m., Recital Hall. Penn State Horn Ensemble.

Monday, March 23

- Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Kang Liu on "The Debate About Culture and the Literary Avant-Garde in Contemporary China."

Workshop: Languages of Homophobia, 3-5 p.m., CWS Resource Room, 120 Boucke.

- Social Work Program, An International Seminar on Social Policy and Social Services, 3 p.m., Memorial Lounge, Eisenhower Chapel. Roger Hadley, Lancaster Univ., England, on "Decentralization, Integration, and the Creation of Responsive Human Services."
- German, film, 8 p.m., 108 Wartik. Die Macht der Gefühle (The Power of Feelings, 1983). Free.
- Panel discussion on "Recent Events and Current Trends in the Middle East," 8 p.m., 101 Chambers.

Tuesday, March 24

Center for the Performing Arts, 8 p.m., Eisenhower Aud. "CATS." Also, March 25, and 26.

Art History Lecture Series, 8 p.m., 112 Walker. Peter Nabokov, Univ. of Wisconsin-Madison, on "Between Cosmology and Ideology: Round Houses of the Plains, Great Lakes, and California."

Wednesday, March 25

- Brown Bag Lunch Series, noon, CWS Resource Room, 120 Boucke. Santa Barraza on "La Onda Visual de las Chicanas—The Political Visual Expression of the Chicanas."
- Noontime, concert, Kern Lobby. Stanley Shepard, Folk and West India music.

School of Music, 8 p.m., Recital Hall. The Pennsylvania Quintet.

Thursday, March 26

Beef Expo, Ag Arena, through March 29.

Lecture, 4 p.m., Rare Books Room, W342 Pattee. Judith Ryan, Harvard Univ., on "Angels and Devils: German Literary Models in Recent American Fiction."

- Fulbright Informal Lecture Series, 5:30-7:30 p.m., 222 Boucke. Karen Adams, area chief for Western Europe and Canada, Council for International Exchange of Scholars, Wash., D.C., on "Applying for Fulbright Grants for Faculty and Professionals."

Public lecture, 8 p.m., HUB Assembly Room. Michael Green on "Tracking the Loss of Essential Nutrients Using Mathematical Modeling."

- Public lecture, 8 p.m., 112 Walker. H.E. Roberto Mac Lean, Peruvian ambassador, on "Drugs, Lies and International Cooperation."

Friday, March 27

- Fourteenth Annual Penn State Slavic Folk Festival, 10 a.m. to 10 p.m., HUB Ballroom. Also Saturday, March 28, from 10 a.m.-10 p.m., and Sunday, March 29, from 1-6 p.m.

Noontime, concert, Kern Lobby. Happy Valley Flute Trio.

Geog. Coffee Hour, 4 p.m., 319 Walker. Julie Graham, Univ. of Massachusetts, on "Industrial Restructuring in Queensland Coal Mining Towns: Women and the Politics of Place." Refreshments, 3:30 p.m.

Center for the Performing Arts, 8 p.m., Schwab Aud. The Borodin Trio.

Saturday, March 28

Children's Day, Matson Museum of Anthropology, 10 a.m.-3 p.m., second floor, Carpenter Bldg. Cost: $2/child.

Shaver's Creek, 1-4 p.m., Homestead Hike. Call 863-2000.

Penn State Philharmonic Ball, 8 p.m., Nittany Lion Inn.

Sunday, March 29

Shaver's Creek, 2-3:30 p.m., The Winged Hunters. Call 863-2000.

Carnegie Hall Film Series, 7 p.m., A Girl's Own Story/Passionless Moments/Peel (1987); 8:15 p.m., Pickup on South Street (1953), Carnegie Cinema. Free.

Opera workshop, 8 p.m., Recital Hall.

Conferences

Continuing Education
Keller Building

March 20-21. Microcomputer Information Exchange Conference and Computer Fair. Kyle Peck, chair; Donna Ricketts, coordinator.

March 23-27. Small Wastewater System Design. David Long, chair; Eric Loop, coordinator.

March 24. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milson, coordinator.

March 25-27. Fundamentals of Surface Mining. L. Barry Phelps, chair; Barb Impelliteri, coordinator.

March 25-28. High Energy Probes of QCD and Nuclei. Steven Heppelmann, chair; Chuck Herd, coordinator.

March 27-29. 1992 Annual Meeting of the Eastern Bird Banding Association. John Shaffer, chair; Jack Sinclair, coordinator.

Seminars

Thursday, March 19

Ceramic Science, 11:15 a.m., 301 Steidle. T.M. Besmann, Oakridge National Lab., on "Vapor Phase Fabrication of Ceramic Composites." Refreshments, 11 a.m.

Bioengineering, 2:30 p.m., 109 Walker. Frederick W. Kremkau, Wake Forest Univ., on "Artifacts in Ultrasonic Imaging and Flow Measurements."

Physics Colloquium, 3:30 p.m., 55 Osmond. Carl Wieman, Univ. of Colorado, on "The Coldest Atoms in the Universe: Laser Cooling and Trapping and the Route to Bose-Einstein Condensation in a Vapor."

Computer Science Colloquium, 4 p.m., 325 Whitmore Lab. Robert H.B. Netzer, Univ. of Wisconsin at Madison, on "Race Condition Detection for Debugging Parallel Programs."

Biology, 4 p.m., 8 Mueller. Joel Cherry, Univ. of Wisconsin-Madison, on "Molecular Dissection of the Plant Photoreceptor Phytochrome."

Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Joshua M. Wiener, Brookings Inst., Wash., D.C., on "Sharing the Burden: Strategies for Public and Private Long-Term Care Insurance."

Friday, March 20

Forest Resources Seminar Series, 11:15 a.m., 3 Ferguson. Steven G. Thorne, Goddard professor of Forestry and Environmental Resource Conservation, on "Pennsylvania's Forests—A Future Environmental Battleground?" Refreshments served.

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Drake Diedrich.

Agronomy, 3:35-4:25, 101 Ag Sciences and Industries. Cherie Campbell on "Matric Potential and Soil Smearing Effects on Hydraulic Conductivity."

Monday, March 23

Ag Eng., 12:20-1 p.m., 239 Ag Eng. Brad Wright on "Modeling Diaphragm Panel Structural Performance."

Tuesday, March 24

Population Issues Research Center, 12:30-1:45 p.m., 204 Keller Conference Center. Greg J. Duncan, Univ. of Mich., on "Do Neighborhoods Influence Child and Adolescent Behavior?"

Chemistry Colloquium, 3:30 p.m., 55 Osmond. Albert Padwa, Emory Univ., on "Rhodium-Induced Cyclizations of Keto Carbenoids as a Synthetic Method."

Geosciences Colloquium, 4 p.m., 112 Walker. Dave Pollard, Princeton Univ., on "Analysis of Crack Propagation As It Pertains To the Deformation of Fault Zones."

Nutrition Colloquium, 4 p.m., 217 Willard. Kate Clancy, Syracuse Univ., on "A Healthy Diet: Defining It in The 1990's."

Wednesday, March 25

Eng. Science and Mechanics, 3:35 p.m., 315 Hammond. Blake Campbell, McDonnell Douglas on "Design and Manufacturing of Composite Aircraft Structures."

EPF, 4 p.m., 339 Davey. George Sterman.

Oswald Lecture in Higher Education, 8 p.m., 112 Walker. David Mathews, Charles F. Kettering Foundation.

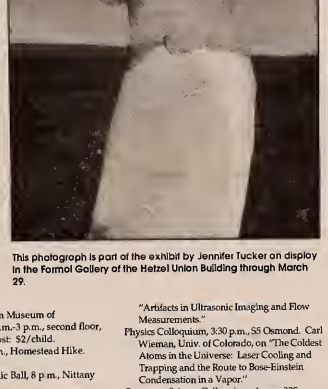
Thursday, March 26

Bioengineering, 2:30 p.m., 109 Walker. Yoram Rudy, Case Western Univ., on "Model Studies of Reentry of Arrhythmogenic Activity of a Single Cell."

Physics Colloquium, 3:30 p.m., 55 Osmond. Jeff Harvey, Univ. of Chicago, on "Quantum Structure of Black Holes."

Friday, March 27

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Linh Le.



This photograph is part of the exhibit by Jennifer Tucker on display in the Formal Gallery of the Hetzel Union Building through March 29.

Exhibits

Hetzel Union Art Galleries:
Formal Gallery:
"Goddesses and Flowers", Jennifer Tucker, through March 29.
Art Alley Cases and Art Alley Panels:
Scholastic Art, March 23-April 19.
Browsing Gallery:
Color Slide Club of State College, through March 29.
Pattee Library
Main Lobby:
"Coal Collection Treasures from the Historical Collections and Labor Archives," through May 22.
Lending Services Gallery:
Paul Robeson Cultural Center
- Sudan art, through April 30.

Zoller Gallery
Juried exhibition of work by undergraduate students in the School of Visual Arts and at the Commonwealth Campuses, through March 31.

Tips

Information Penn State

Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

- **Reflects an international perspective**

LECTURES

march
april

Westinghouse chairman to deliver Palmer Lecture on March 23

Burton Staniar, chairman and chief executive officer of Westinghouse Broadcasting Inc., will deliver the 1992 Palmer Lecture in Telecommunications Studies at 4 p.m. Wednesday, March 23, in the Carnegie Cinema at University Park.

The public lecture is titled, "Twenty Things to Do by the Year 2000 to Bring Media into the 21st Century." It will focus on actions media corporations need to take to position themselves for success in the 21st century.

Mr. Staniar became chairman and CEO of Westinghouse Broadcasting Company ("Group W") in May 1987. He is responsible for the operation of Group W's five VHF TV stations, 20 radio stations, and Group W Satellite Communications. Prior to attaining his current post, he was senior executive vice president of Group W and was named to that position after serving as president and chief operating officer of the Group W Cable subsidiary, then the nation's second largest cable operator, which was sold in 1986.

A graduate of Washington and Lee, and Columbia universities, Mr. Staniar is a leading statesman of the communications industry, often providing legislative testimony and appearing as a featured speaker at industry gatherings.

His lecture is one of a series endowed by James R. and Barbara R. Palmer, friends of the University.

Ernest C. Pollard Lecture

NIH chief to speak on gene expression

Gary Felsenfeld, chief of Physical Chemistry, Molecular Biology Laboratories, National Institutes of Health, will present the 1992 Ernest C. Pollard Lecture at 4 p.m. Monday, March 23, in room 112 Chambers Building at University Park.

The lecture, "Development Regulation of Globin Gene Expression," is sponsored by the Department of Molecular and Cell Biology and is free to the public.

Dr. Felsenfeld's research concerns nuclear factors that regulate gene expression during the development of animal cells. This includes a consideration of an essential role for chromatin in mediating gene transcription and the use of globin genes as a model system for understanding how transcriptionally "open" complexes are stabilized.

In addition to his duties as chief of Physical Chemistry, a position he has held since 1961, Dr. Felsenfeld is a member of the National Academy of Sciences and chair of its Biology Division.

A 1951 graduate of Harvard University, he earned a doctoral degree in chemistry at the California Institute of Technology in 1955.

The Ernest C. Pollard Lecture honors Ernest C. Pollard and is made possible through donations from his friends, colleagues and associates. Dr. Pollard, who taught at Penn State as a professor of biophysics from 1961 to 1971, founded the biophysics department, which in 1979 merged with the microbiology and biochemistry departments to form the present Department of Molecular and Cell Biology.

The Department of Molecular and Cell Biology has incorporated the Pollard Lecture into a program of spring 1992 lectures. Remaining lectures in the series include the Russell Marker Lectures in Genetic Engineering, April 20-23, with Robert Weinberg of the Whitehead Institute; and a special Molecular and Cell Biology Lectureship, April 27, with Hideaburo Hanafusa of Rockefeller University.

Peruvian ambassador to U.S. to visit

H.E. Roberto Mac Lean, Peruvian ambassador to the United States, will visit University Park on Wednesday and Thursday, March 25 and 26, to speak to students and present a public lecture.

Mr. Mac Lean will discuss "Drugs, Lies and International Cooperation" at 8 p.m. Thursday, March 26, in Room 112 Walker Building.

On Wednesday, March 25, he will speak to a Latin American government class on "Peru's Silent Revolution," and to a Latin American civilization class. He will be hosted at a reception in the Rare Books Room of Pattee Library, and Peruvian students are planning to hold a dinner in his honor.

Mr. Mac Lean, who has been ambassador since March, 1991, is former legal counsel of the Central Reserve Bank of Peru.

He has been professor of private international law and comparative law at two universities in Peru, and has served as visiting professor at the Law School of Southern Methodist University, the Law Center of Louisiana State University, and at the University of Leeds, Great Britain.

He received bachelor of law, attorney at law, and doctor of law degrees from San Marcos de Lima University, and is the author of several books and articles on legal subjects.

The ambassador's visit is sponsored by the Latin American Studies Committee in the College of the Liberal Arts and the Hispanic Library Program of Pattee Library.

The strength of Pattee Library's Peruvian collection is the private library of Dr. Luis Alberto Sanchez, writer, scholar, politician, senator, and former vice president of his country.

Acquisition of the collection of approximately 18,000 volumes on all aspects of Peruvian and Latin American concerns was negotiated by **Donald C. Henderson**, head, Hispanic Library Program.

Dr. Henderson also is the author of two books on Peru, *Peru visto por L.A.S.: historia y vida política, Lima*, published in 1990, and *Peru visto por L.A.S.: una cultura nacional, Lima*, scheduled for publication in April, 1992.

Session on tracking nutrients set for March 26

Michael Green, associate professor of nutrition science, will give a special public lecture on "Tracking the Loss of Essential Nutrients using Mathematical Modeling" at 8 p.m. Thursday, March 26 in the HUB Assembly Room.

Dr. Green is a 1992 recipient of the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award. The award, sponsored by the College of Health and Human Development, recognizes a faculty member for outstanding research contributions occurring or culminating within the past several years. Each recipient presents an evening lecture highlighting his or her research.

Dr. Green is a pioneer in using the mathematical modeling approach, called compartmental analysis, to study the metabolism of vitamin A and other nutrients. His approach has produced results that have challenged previously held assumptions about nutrient metabolism, and has been adopted by researchers at other institutions.

He is a member of the American Institute of Nutrition and the New York Academy of Sciences. He also has been a Fulbright Research Scholar at the University of Oslo in Norway and a visiting scientist at the University of Pennsylvania and the National Cancer Institute.

Dr. Green earned a bachelor of arts degree in physiology and a doctoral degree in nutritional sciences from the University of California-Berkeley. He completed a postdoctoral fellowship in lipid biochemistry at Cornell University.

The Pattishall Award was endowed by **Evan Pattishall**, dean emeritus of the former College of Human Development, and his wife, **Helen**, who holds a bachelor's degree from the college.

Michael Green

Panel discussion to focus on Middle East

"Recent Events and Current Trends in the Middle East" is the topic of a panel discussion scheduled for Monday, March 23, at 8 p.m. in 101 Chambers Building.

Panelists will include R. Mark Sirkin, assistant professor of political science at Wright State University in Ohio, and Theodore H. Kattouf, deputy director of the State Department's office responsible for monitoring Lebanon, Jordan, Syria, and Palestinian affairs. Arthur Goldschmidt, professor of Middle East history at the University, will chair the discussion. Both Dr. Sirkin and Mr. Kattouf earned their highest degrees at Penn State.

Dr. Sirkin's professional interests include political science research methodology, data analysis, and Middle East politics. He has published an article on Israeli-African relations, and wrote his doctoral dissertation on the party politics of Israel. Mr. Kattouf has been a Foreign Service Officer for 17 years and has been posted to Lebanon, Tunisia, Kuwait, Syria, Iraq, and Yemen. After graduating from Penn State with a B.A. in Foreign Service in 1968, he served in the U.S. Army and conducted graduate work at Princeton University.

The panel discussion has been organized by the Middle East Studies Committee and is being co-sponsored by the College of the Liberal Arts and the Departments of History and Political Science.

Waynick Memorial Lecture

The impact of human activity on the atmosphere is the focus of the 1992 Arthur H. Waynick Memorial Lecture featuring **Peter M. Banks**, dean of engineering, University of Michigan.

"Global atmospheric changes: Telltales and other interesting phenomena," will be presented Friday, April 3, at 8 p.m. in the Earth and Mineral Sciences Auditorium, University Park. It is free to the public.

The lecture will cover ways to observe and quantify dramatic changes in the terrestrial atmosphere and offer ideas for initiating new ways of monitoring specific processes affecting the planet.

Dr. Banks is internationally known as an educator and expert in space research. He is professor of atmospheric, oceanic and space sciences and professor of electrical engineering and computer science. Dr. Banks, who holds a Ph.D. in physics from Penn State, was named an Alumni Fellow in 1982. His graduate work was done in the Ionosphere Research Laboratory, the precursor of the Communications and Space Sciences Laboratory, the sponsor of this lecture.

Among his many other recognitions are the Royal Society Appleton Prize; the American Institute of Aeronautics and Astronautics Space Science Award; and, NASA's highest civilian award, the Distinguished Public Service Medal.

The Waynick Lectures memorialize Arthur Henry Waynick who founded the Ionosphere Research Laboratory.

Various departments and programs host speakers in March

❒ Spisak Lecture

Lt. Gen. William G. Pagonis, chief of logistics for the Persian Gulf War, will deliver the inaugural Spisak Lecture in Business Logistics, Tuesday, March 24 at 7:30 p.m., in the Kern Graduate Center Auditorium at University Park.

Gen. Pagonis, an alumnus of The Smeal College of Business Administration, will speak on "Desert Storm: Managing the Impossible Challenge." He is also a featured speaker at the upcoming Alumni Leadership Convocation at University Park.

The Spisak Lecture series was created through an endowment by **Alex** and **Ann N. Spisak** and their sons **Stuart A.** and **Scott A. Spisak**. Alex, Stuart and Ann Spisak are the president, vice president and secretary-treasurer, respectively, of Commercial Printing Inc, State College. Scott Spisak, a 1979 alumnus of The Smeal College, is an executive with a Minneapolis-area construction firm.

The Spisak Lectureship was founded in 1990 to support presentations by outstanding professionals working in industries where the practice of business logistics is essential.

❒ Human services lecture

Roger Hadley, professor of social administration and chair of the Department of Public Policy and Administration at Lancaster University in England, will speak on "Decentralization, Integration, and the Creation of Responsive Human Services" on Monday, March 23 at 3 p.m. in Eisenhower Chapel Memorial Lounge at University Park. The talk is open to the public.

Dr. Hadley is an authority on social work and social policy in Great Britain and is internationally known for his research on alternative strategies for the provision of human services at the local level.

He is the author or co-author of numerous books, including: *Going Local: Neighborhood Social Services, When Social Services are Local, Social Welfare and the Failure of the State,* and *Creating a Responsive Public Service*. In addition, he has also played a major role in several national government reviews of social welfare policy in Britain.

Dr. Hadley's visit, sponsored by a number of University programs and departments, is tied to his Pennsylvania visit this month to participate in a project designed to promote social service innovation in a number of Pennsylvania's rural counties.

❒ German literary models

Judith Ryan, professor of German and comparative literature at Harvard University, will present the lecture "Angels and Devils: German Literary Models in Recent American Fiction," at 4 p.m. Thursday, March 26 in the Rare Book Room of Pattee Library.

Dr. Ryan, a native of Australia, is a specialist on German romanticism and 20th century literature. She has published extensively on the subjects of European modernism, the post-war German novel, and the Third Reich, and on the authors Rainer Maria Rilke, Franz Kafka, Christa Wolf, Alfred Doblin, Nelly Sachs, Gunter Grass, and others. She is an Alexander von Humboldt and NEH Fellow and has received the German Quarterly Award twice.

❒ Russian nuclear expert

As part of the John Pixton Lecture Series, Major General Nikolai Dmitriyevich Tarakanov, military engineer and author of *Chernobyl Notes*, will speak at Penn State Ogontz Campus on the aftermath of the Chernobyl Nuclear Power Plant accident and its implications for global environmental policy, 7:30 p.m. Monday, March 23, in Sutherland Auditorium (Room 9). Admission is $5.

Gen. Tarakanov graduated from the Kharkov technical military school in the Ukraine. He worked with the civil defense system, responsible for removing radioactive elements from the territory of the Chernobyl Atomic Power Station, as well as the deactivation of vast territories of the Ukraine, Byelorussia and the western parts of Russia.

He is the author of many articles, and a book concerned with the events surrounding the Chernobyl meltdown. Currently he is general director of the Moscow Association of Science Production, primarily concerned with environmental protection.

Graduate Research Exhibition March 20 -21

Winner of 1989 exhibition to speak

Donna A. Williams will present "Creativity and Research," the keynote address at this year's Graduate Research Exhibition at 1 p.m. March 20 in room 112, Kern Graduate Building.

A postdoctoral fellow in physiology at the University of Missouri-Columbia, Dr. Williams was a winner of Penn State's 1989 Graduate Research Exhibition.

A specialist in the study of blood circulation, Dr. Williams will describe her current research on the active control of capillary exchange, and will stress the interconnection of research and graduate education.

Dr. Williams taught high school physical education and health for five years, serving as a department head and assistant principle, after receiving her bachelor's degree from the University of Maine at Orono.

She received an M.S. in animal physiology from the University of Arizona in 1985, where she collaborated on a NASA project investigating the effects of weightlessness and exercise on blood flow.

As Penn State's Mrs. A. Robert Noll Fellow in Physiology from 1987-91, she studied the control of blood flow in vessels adjacent to skeletal muscles. Her adviser was Steven S. Segal, assistant professor of applied physiology in the Noll Laboratory for Human Performance Research. She received her Ph.D. in 1991 with a dissertation describing a difference in the control of blood flow to fast-twitch versus slow-twitch muscles.

Dr. Williams presented part of that work at the Graduate Research Exhibition in 1989, in an exhibit titled "Replication of Skeletal Muscle Microcirculation with Vascular Casting." Her presentation described a technique she and Dr. Segal devised for revealing the structure of blood vessels inside muscles.

The seventh annual Graduate Research Exhibition is co-sponsored by the Graduate Council and the senior vice president for research and dean of the Graduate School.

Donna A. Williams

The Exhibition runs March 20-21 from 10 a.m. to 4 p.m. in the lobby of Kern Graduate Building.

Series on teaching offers three more seminars

The Instructional Development Program (IDP) is continuing its spring semester series on teaching.

The first two seminars in the series were held Feb. 12 and 26 with presentations by **Jack Spielvogel**, associate professor of history and the 1988 Alumni Teaching Fellow, and **Chris Foster**, director of the New American Scientist Initiative Program in the Eberly College of Science.

"The dialogue begun in these seminars is timely and fruitful," **Diane Enerson**, IDP director, said. "If there is to be change in the prevailing attitude toward teaching in higher education, the impetus will have to come from concerned faculty, staff, and students who will do what is necessary to make a difference in their own classes, and who must work in concert with one another.

"A unique feature of this seminar series is the intergenerational and multidisciplinary audience who attend and hence respond to discuss the issues at hand. By stimulating and supporting diversity and open dialogue on common pedagogical problems and issues, IDP hopes to lend support to elevating the art and science of teaching at Penn State."

The three remaining seminars in the series are:

- Wednesday, March 18, **Robert Mitchell**, associate professor of biology and premedicine adviser: "The Art and Craft of Teaching in Large Lecture Sessions," 118 ASI Building, 3:30 to 5 p.m.
- Wednesday, March 25, **John Lowe**, professor of chemistry: "Effective Explanations," 118 ASI Building, 3:30 to 5 p.m.
- Wednesday, April 8, **Marie Secor**, associate professor of English: "Self-Reflection and Teaching," 118 ASI Building, 3:30 to 5 p.m.

Registration for these seminars is recommended but not required. For more information, or to pre-register, call IDP 863-2599.

> *"If there is to be a change in the prevailing attitude toward teaching...the impetus will have to come from concerned faculty, staff, and students..."*
>
> **Diane Enerson**

Maple Harvest Festival at Shaver's Creek

Shaver's Creek intern, Beth Manning, helps students tap a sugar maple tree during last year's Maple Harvest Festival. The festival runs from Saturday, March 21 to Sunday March 22, 11 a.m. to 4 p.m., rain or shine. Cost for the event is $6 for adult members and $7 for adult nonmembers, $4 for child members and $5 for child nonmembers. Children under four years old are admitted free.

School of Communications to hold Career Week March 22-27

The School of Communications will hold a Career Week for students March 22 through 27. A number of events will be held to help students explore career opportunities in communications. Events include:

- **Tuesday, March 24** — Career Information Fair, HUB Ballroom, 1 to 4:30 p.m.
- **Friday, March 27**, 9 a.m. — Panel discussion, Carnegie Cinema, titled "Career Paths in Communications." Visiting professionals will discuss traditional and non-traditional career opportunities and options.

10:30 a.m. — A workshop on job-search strategies, Carnegie Cinema.

1:30 p.m. — Resume writing workshop in the Carnegie Cinema.

Further information on these events can be obtained by calling professor **William Gibbs** at 865-1591.

In addition, a special series for minorities in media industries has been developed through funding by the EOPC Office and arranged by the Student Advising Center of the School of Communications. As part of this series, Tuesday, March 24, Waltrina DeFrantz, community relations coordinator of The Times Leader, Wilkes Barre, and William Long, Oxford Valley Cablevision assistant marketing manager, will serve as guest lecturers in several communications classes.

Obituaries

Gertrude M. Drayton, nutrition aide supervisor, College of Agricultural Science, from Jan. 27, 1975, until her retirement Feb. 1, 1985, died Feb. 7. She was 71.

Margaret E. Engell, dark room attendant, Hershey Medical Center, from Oct. 1, 1970, until her retirement May 1, 1984, died Nov. 20 at the age of 69

Carl F. Fleck, carpenter A, Office of the Physical Plant, from Sept. 17, 1984, until his retirement on disability Aug. 23, 1990, died Dec. 12 at the age of 57.

Verna L. Grassmyer, accounting clerk, Commonwealth Educational System, from March 8, 1966, until her retirement on disability March 21, 1972, died Feb. 17, at the age of 74.

Carrie T. Houtz, janitorial worker, Office of Physical Plant, from May 1970 until her retirement January 1, 1984, died Feb. 19 at the age of 73.

Ballot positions set for board of trustee elections May 14

A drawing has been held to determine positions on the ballot for the 1992 election of trustees by alumni. The procedure for ballot placement is in line with procedures established by the University's Board of Trustees.

Paula R. Ammerman, associate secretary of the board, conducted the drawing and said ballots for the trustee election will be mailed to Penn State alumni by April 10. All ballots must be received by the close of the election at 9 a.m. May 14.

Names of the seven candidates for three positions on the board in alumni balloting, appear in this order:

— **Louis R. Benzak**, '61, president, Spears, Benzak, Salomon and Farrell, Inc., Rye, N.Y.

— **John D. Vairo**, '61g, emeritus campus executive officer, Penn State Delaware County Campus, Media, Pa.

— **Nancy Van Tries Kidd**, '55, '77g, president and director of Psychological and Counseling Resources Inc., Richmond, Va.

— **Barry K. Robinson**, '67, deputy general counsel, Recording Industry Association of America, Bethesda, Md.

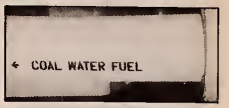
— **Glenn P. Haney**, '51, retired director, Office of Information Resources Management, USDA, Boalsburg, Pa.

— **JoAnn Koch Shore**, '73, '75g, child development instructor and volunteer, State College, Pa.

— **Robert L. Horst**, '58, consultant and founder, Peak Productivity USA, Lancaster, Pa.

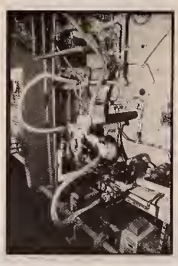
Walter J. Conti, '52, one of the Trustee incumbents and former chairman of the Board, received the required number of nominations to stand for re-election. However, after 18 years on the Board of Trustees, Conti chose not to seek reelection.

Researchers hope coal-water slurry project will convince industries



Mixing up their own coal-water slurry fuel was not what researchers at the Combustion Laboratory had in mind when they began the coal-water slurry demonstration project to explore its use as an alternative fuel for industrial use.

"Originally, we put out bids for 1,000 tons of coal-water slurry fuel made to our specifications," said **Alan W. Scaroni**, director of the Combustion Laboratory and associate professor of fuel science. "But, when the bids came back, the prices far exceeded what we had budgeted for fuel."



The researchers decided to find their own coal and formulate and prepare their own coal-water slurry. The basic philosophy was to use commercially available components and commercially available preparation plants to prove that the technology was viable.

Perry Brothers Coal Co., Sharon, supplied the coal and Reddinger Coal Co., Distant, in western Pennsylvania, crushed and cleaned it. Kennedy Van Saun, Danville, mixed the coal-water slurry to the researchers' specifications and shipped it to Penn State in tankers designed for hauling milk or water.

One problem in the advancement of coal-water slurries as an alternative fuel source, according to Dr. Scaroni, is that information on the process and formulations has been kept proprietary. These restrictions have limited the field, kept the costs for research fuel high and almost eliminated any commercial applications.

"One reason we decided to make the slurry is that if information on slurries is proprietary, the technology will never become commercially available," said **Joel Morrison**, research associate, in the laboratory. The researchers would like to show potential users exactly how coal-water slurry can be made and used in their boilers.

"No one has confidence in the technology and so no one uses slurry," Morrison said. "The only slurry available is for research purposes and it is expensive."

"By making our own slurry, we saved $500,000 over the high bid we received and $200,000 over the low bid," said Dr. Scaroni.

The researchers hope to demonstrate that burning coal-water slurry fuels for industrial purposes, can be safe, economical, and environmentally sound.

They plan to burn 1,000 tons of coal-water slurry fuel in an off-the-shelf boiler originally designed to burn oil. The boiler, installed at an existing power plant on the University Park Campus, will supply 15,000 pounds per hour of steam and could heat 750 apartments, or living space for 3,000 people.

Coal-water slurry is a mixture of coal and water with the addition of a surfactant that allows the coal and water to mix and a stabilizer that keeps the coal particles suspended in the mixture. The researchers are using a commercially available surfactant and stabilizing agent.

Because the slurry will replace number 6 fuel oil, it has about 3.5 percent ash and 1 percent sulfur.

The boiler is installed and the first load of approximately 4,000 gallons of coal-water slurry is in the storage tank.

"We plan to operate the boiler on natural gas for about a week to debug the system and to get baseline boiler performance data," said Dr. Scaroni. "Next, we will begin the 1000 hour test for the Department of Energy, running 24 hours a day, five days a week."

Alterations to the boiler system to accommodate coal-water slurry include a special burner, the addition of a bag house to capture ash and arrangements for recirculation pumping on the storage tanks and tank trucks.

"Most industrial users are not confident that their oil or gas boilers can be made to accommodate coal-water slurry," explained Dr. Scaroni. "The demonstration project will show that, with minimum alterations, these boilers can burn coal-water slurry."

"We are hoping that people can come to Penn State and see a boiler operating in an industrial setting," Morrison added. "Once they believe it can be done, and we have completed the demonstration, then we can look at their options and discuss the costs and benefits of retrofitting for coal-water slurry."

The project is funded by an initial U.S. Department of Energy contract of $1.54 million and a recent, additional contract of $1.48 million.

This additional funding will allow the researchers to test burn different coals, test a novel gas clean-up system for sulfur dioxide and nitrogen oxides, install a superheater and install their own slurry mixing facility.

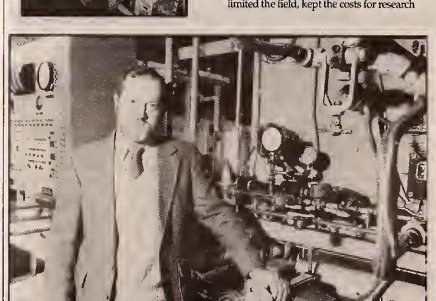
The superheater will allow research on using coal-water slurry in higher temperature electrical generating plants.

One important aspect of the research is the effect of ash on corrosion and erosion of the boiler tubes. Ash in the hot gas stream passing around the tubes can sand blast the tube material, causing erosion and corrosion problems.

"We probably won't have enough time in 1,000 hours to actually see erosion and corrosion," said Dr. Scaroni. "We have a specially designed probe to accelerate the erosion rates so that we can extrapolate erosion measurements."

Erosion and corrosion can be even more of a problem in electrical generating plants, because the higher temperatures alter the properties of the tubes.

A'ndrea Elyse Messer



The top photo shows a close-up view of the boiler that uses the coal-water slurry mix. Below, Alan W. Scaroni stands in front of the boiler originally designed to burn oil.
(Photos by Greg Grieco)

'Building on a Foundation of Pride'

First Leadership Convocation to feature Desert Storm commander

Penn State alumni leaders will get tactical advice on developing strategies, motivating members and maximizing resources from Desert Storm Logistics Commander and fellow alumnus, W.S. Army Lt. Gen. William G. "Gus" Pagonis, and others at the first ever Alumni Leadership Convocation, March 27 to 29 at University Park.

As one of the largest alumni associations in the country with 179 clubs in the United States and around the world and an active membership of more than 110,000, logistics and information strategies are critical to keeping alumni informed and supportive. The theme of the convocation is "Building on a Foundation of Pride."

"Penn State has traditionally held separate conferences for volunteer leaders of alumni clubs, alumni admissions committees and constituent societies, our college and campus-based alumni groups within the association. But as their leadership and information needs increasingly overlap, we are combining them," **Ernie Gale**, associate executive director of the Penn State Alumni Association, said.

Penn State is one of the largest universities to integrate the information needs of its alumni programs. "We want to make sure our volunteers have the background, the confidence and the enthusiasm to continue their advocacy for Penn State." **Peter Weiler**, assistant vice president and executive director, said.

The Alumni Leadership Convocation is planned as a reunion weekend with a spin. Instead of parties and parades, it will concentrate on lectures, seminars and workshops with senior administrators, faculty, fellow alumni and students.

Beginning with a special report on the state of the University by Penn State President **Joab Thomas**, alumni leaders will go into sessions on admissions, academics, athletics, diversity issues and student life as well as a futurist look at the demographics, lifestyles, workstyles and technologies that will affect higher education in the year 2000.

Interactive leadership seminars for admissions, club and constituent society leaders will follow with sessions on identifying and leading volunteers, developing and marketing alumni programs, student-alumni connections through internships and externships, and ways to keep alumni up-to-date on new directions in Penn State research, teaching and outreach programs.

The conference will conclude with a charge from head football coach **Joe Paterno**.

Activities of alumni clubs vary from scholarship fund-raising beach parties to seminars on career planning and job search strategies. Last year, more than 1,900 alumni admissions volunteers served as high school liaisons, attended college fairs and talked to thousands of prospective students about Penn State.

"Our alumni volunteers do so much for Penn State," Mr. Weiler said. "We want them to have up-to-date information on the University and to make sure volunteers know how the association can help them with programs for Penn State across the country."

Getting down in the trenches

Over spring break, workers installing a water main as part of a waterline expansion project at University Park dug deep into the center of Staff Parking Lot Red A, west of Atherton Street. For now, the lot is back to normal, but parking officials say a small section will be unearthed later to connect the pipe when the entire project is completed. (Photo: Greg Grieco)

Arts

Continued from Page 6

campus' 25th anniversary celebration.

Mr. Stewart, former member of The Kingston Trio and the composer of "Daydream Believer," also will open a new exhibit of 17 of his paintings at a reception preceding the concert. The exhibit will remain at the campus through April 10.

Tickets for both the preview reception and the concert are $10 in advance and $12 at the door. Tickets may be ordered, with a check payable to Penn State, through the University Relations Office, 25 Yearsley Mill Road, Media, PA 19063.

Hazleton Campus

Moliere's "The Misanthrope" will be presented in the Highacres Commons at the Penn State Hazleton Campus Thursday, March 19, through Saturday, March 22. The performances will begin at 8 p.m.

The play, featuring Hazleton Campus students and members of the Society of the Arts Club, is directed by **Steven Schrum**, theater arts instructor. The director has updated the play to 1978, and has placed some of the action in a disco.

Saxophonist Thomas Smialek and pianist Lois Forbes will appear in recital Tuesday, March 31 at 7:30 p.m. in Room K-1 of the Kostos Classroom Building. Dr. Smialek is an assistant professor in integrative arts and music and Dr. Forbes is a music instructor at the campus.

The concert is open to the public.

Penn State Harrisburg

The expressive art of Irish and African-American step dancing will be demonstrated at a special public performance at 8 p.m. Saturday, March 28 in the Student Center, Capital Union Building.

The concert, sponsored by the PSH Heritage Series, will include a performance by the Irish Centre Dancers of Pittsburgh. Groove Phi Groove of Philadelphia will perform stepping traditions evolved from African and African-American dance forms. Together both groups will capture the essence of the intricate footwork, exciting rhythms and articulated movements of these two traditions.

Information session on Fulbright grants planned

A presentation to inform University faculty on how to apply for Fulbright grants will be held at 5:30 p.m. Thursday, March 26, in 222 Boucke Building at University Park. **Karen Adams**, area chief for the Western Europe and Canada Council for International Exchange of Scholars, will conduct the session.

In 1990, Penn State ranked first in the nation in the number of Fulbright scholars it counted among its faculty. This was the second year in a row that the University claimed such an honor.

Fulbright scholars are selected on the basis of academic and professional qualifications as well as their ability and willingness to share ideas and experiences with people of other nationalities. There are openings in more than 120 countries and in many regions, multicountry research is possible.

Virtually all disciplines and academic subfields participate in the program, but specific openings for 1993-94 exist in humanities, social sciences, physical sciences, the arts and applied fields such as business, journalism, and law.

Deadlines for applying for a Fulbright award are fast approaching, according to **Gretchen Peterec**, staff assistant in the Office of International Programs. Application materials are currently available.

For more information about the Fulbright program, applicants can attend the March 26 session or call 865-7681. Potential grantees also may write the Council for International Exchange of Scholars, 3007 Tilden Street, N.W., Suite SM, Box CAMP, Washington, D.C. 20008-3009 or telephone (202) 686-7877.

Faculty/Staff Alerts

U.S. Savings Bond Program

An information packet regarding U.S. Savings Bonds is being sent to all full-time University faculty and staff members during the week of March 23.

Bonds are highly competitive with other savings and investment vehicles, earning interest at a rate based on 85 percent of the average yield on five-year Treasury securities, compounded semiannually.

The interest earned on Series EE bonds purchased after December 31, 1989 — already exempt from state and local taxes — may be completely tax free when used to pay tuition and fees at colleges, universities and qualified technical schools during the year they are redeemed. Bonds are guaranteed as to principal and interest by the U.S. Government and can be replaced without charge by the Treasury Department if lost, stolen, or destroyed.

Payroll deduction offers an easy and convenient method of systematic saving. Regular allotments are set aside from a paycheck until the full purchase price of a bond is accumulated. At that time, the bond is issued and immediately begins earning interest. Bonds are mailed directly to the participant normally within three work days after the Payroll Division places an order with the Federal Reserve Bank. Bonds are available by payroll deduction in denominations of $100, $200, $500, and $1,000, and cost one-half of the face value.

Questions about the program should be directed to the Employee Benefits Division, 205 Rider Building, 865-1473.

Ticket Buyers

Center for the Performing Arts season subscribers and patrons who purchased seats in advance for Andrew Lloyd Weber's "CATS" should consult their tickets to determine their assigned performance.

"CATS" will be performed at Eisenhower Auditorium at 8 p.m. Tuesday, March 24, Wednesday, March 25 and Thursday, March 26 on the University Park Campus. Tickets marked "To be announced—1" are for the Tuesday, March 24 show. Tickets marked "To be announced—2" are for the Wednesday, March 25 show.

For more information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Another quitting option for smokers

As part of a growing comprehensive smoking cessation effort, faculty and staff may now obtain a discount on Habitrol transdermal nicotine patches from the Milton S. Hershey Medical Center pharmacy.

"The patch" provides nicotine replacement to help reduce withdrawal symptoms and cravings for nicotine during the quitting process. It may be obtained only with a physician's prescription. Three strengths are available and the prescribed dosage is based on the smoker's current intake of nicotine. Lower dosages are used in later stages of quitting to gradually reduce the amount of nicotine in the patient's blood. Smokers who would like to try this method of quitting should contact their physician.

If given a prescription for Habitrol, smokers should ask their physician for the "Smoker's Support Kit." This self-help kit, provided by the pharmaceutical company, is the minimum level of behavioral modification intervention that should accompany the use of Habitrol.

To obtain Habitrol, faculty and staff should send their prescription along with their name, address and social security number to: Outpatient Pharmacy, UPC 1, Room 501, Milton S. Hershey Medical Center, P. O. Box 850, Hershey, PA 17033.

Prescriptions will be processed, billed and mailed back to the patient with a return payment envelope. The cost range is $3-$3.40 per patch, depending on the individual dosage prescribed. A minimum of seven to 10 working days is required for processing each prescription.

For more information about smoking cessation programs and quitting techniques, contact the Faculty/Staff Health Promotion Office at (814) 865-3085.

New withholding rates

In order to stimulate consumer spending, the IRS has issued new income tax withholding tables. The new tables decrease the amount of income tax to be withheld from the wages of most employees. Employees who have withholding at the married rate and have income subject to withholding of less than $90,200, may have as much as $345 less withheld from their pay over the course of a year, while employees at the single rate with incomes subject to withholding of less than $53,200 will have up to $172 less withheld. **Although the withholding amount is decreased, the annual tax liability of each employee remains the same.**

Employees who owed taxes in 1991 and do not want to have the amount owed increase or if you simply do not want your withholding amount changed, you should complete a new W-4. Claim the same number of allowances as you claimed before but indicate on line 5 that additional taxes should be withheld each pay period. If you had previously indicated an amount on line 5, you would increase that amount accordingly. For employees withheld at the married rate, the amount on line 5 would be $345 divided by the number of paydays in the year (monthly - $29; bi-weekly - $14, both rounded up to the nearest dollar). Employees at the single rate should use $172 (monthly - $15; bi-weekly - $7). These are maximum amounts. Depending on your income, the amount you should use on line 5 may be less.

If you need additional information, refer to IRS publication 919 *"Is my withholding correct"* or call the IRS directly at (800) 829-1040."

Holiday Announcements Memorial Day

The University will observe the Memorial Day holiday on Monday, May 25. There will not be classes that day.

Independence Day

The University will observe the Independence Day holiday on Saturday, July 4. Friday, July 3, will not be a University holiday. However, classes will not be held July 3.

University policies provide that if a University holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. Thus, employees who normally do not work Saturdays will receive a compensatory day for the Independence Day holiday.

Questions regarding the above holiday schedule information should be directed to appropriate college or department human resources representatives, or business officers at facilities away from University Park.

Bookshelf

H. Thomas Berner, professor of journalism and American Studies, is the author of *The Process of Writing News*, recently published by Allyn and Bacon, which last year published *The Process of Editing* by Professor Berner.

A new book edited by a University researcher examines different perspectives on bovine somatotropin (bST), the hormone created to increase milk production in dairy cows.

"How the public reacts to commercial adoption of bST probably will set a precedent for how society reacts to similar agricultural biotechnologies," said **Milton C. Hallberg**, professor of agricultural economics and editor of *Bovine Somatotropin and Emerging Issues: An Assessment*, recently released by Westview Press.

"Unlike most previous agricultural technologies, commercial approval and adoption of bST has been accompanied by considerable controversy in the media, dairy industry and among various interest groups," he said.

"The chapters in the book present the facts rather than articulate a definitive position on bST," Dr. Hallberg said. "The authors seek to educate the public about desirable and undesirable impacts of this new technology, with the ultimate goal of helping people make informed judgments and rational policy choices."

The book is targeted to scientists and science managers in diverse fields, as well as to nontechnical audiences. It will be of interest to dairy farmers, agricultural industries, the media and educators interested in science and technology.

Stephen J. Wright, assistant director for academic affairs, Department of Independent Learning, is the co-editor of *The Foundations of American Distance Education: A Century of Collegiate Correspondence Study*, published by Kendall/Hunt in 1991.

The anthology commemorates the 100th anniversary of university-based correspondence study in the United States. It describes the history of collegiate correspondence study, discusses its current state of practice and speculates on its prospects for the future.

Dr. Wright wrote the book's second chapter tracing the modern history of the independent study movement in the United States from 1945 to the present.

Nineteen individuals—several of whom are recognized leaders in the field of distance education—contributed to the volume.

Charles S. Prebish, associate professor of religious studies, is author of the book *Buddhist Ethics: A Cross-Cultural Approach*, recently published by Kendall/Hunt.

Buddhist Ethics is Dr. Prebish's fifth book in seven years. Other books written by him include *Buddhist Monastic Discipline, Buddhism: A Modern Perspective* and *American Buddhism*, one of the first books available on the topic.

Steven Kroll-Smith, associate professor of sociology at Hazleton, has published a new book titled Communities at Risk: *Collective Responses to Technological Hazards*. The book is co-edited with **Steven Couch**, assistant professor of sociology at the Schuylkill Campus.

Communities At Risk... is a collection of original essays by national and international scholars who examine how people and their communities respond to chemical and radiation contamination. Among the events examined in the book are the Chernobyl and Three Mile Island radiation disasters, the Bhopal (India) chemical disaster, a major oil spill in the St. Lawrence River, and the giardiasis contamination of potable water in Wilkes-Barre and Scranton.

Unlike natural disasters that strike quickly and disappear, the suggestion in the essays is that chemical or radiation contamination unfolds slowly, trapping communities in seemingly never-ending cycles of threat and disorganization.

This is the second book that professors Kroll-Smith and Couch have co-authored. Their first book, *The Real Disaster is Above Ground: A Mine Fire and Social Conflict*, (University Press of Kentucky), is an in-depth study of the mine fire in Centralia, Pa.

Awards

Dean receives Distinguished Research Career Award

Anne C. Petersen

Anne C. Petersen, former dean of the College of Health and Human Development, has been chosen for the college's Pauline Schmitt Russell Distinguished Research Career Award.

Dr. Petersen, an internationally respected researcher in adolescence, ended a 10-year career at Penn State March 1, when she became vice president for research and dean of the graduate school at the University of Minnesota.

The annual Russell Award honors a senior Health and Human Development faculty member who has made outstanding research contributions throughout his or her career, and whose research has influenced the field. It was endowed by Penn State industrial engineering graduate **Leo P. Russell** in honor of his late wife, who received a home economics degree from the University.

Dr. Petersen became dean of Health and Human Development when the college was established in 1987. Before that, she was head of the Department of Individual and Family Studies (now Human Development and Family Studies) for five years.

She is now in the 14th year of a major longitudinal study of physical, mental, and social development in adolescence. The study, funded continuously by the National Institute of Mental Health, began when its more than 300 participants were in sixth grade; the subjects are now in their mid-20s.

Dr. Petersen also headed a W.T. Grant Foundation-funded study of early adolescence, as well as a University-wide project called PRIDE (for Policy, Research, and Intervention for Development in Early Adolescence), funded by the Carnegie Corporation of New York.

She is the current president of the Society for Research on Adolescence and president-elect of the Developmental Psychology Division of the American Psychological Association.

The Russell Award carries a $1,000 prize; in addition, the recipient traditionally presents an evening research lecture. Dr. Petersen will return to Penn State in the fall to present her lecture.

Former GSA president named Barash Award winner

Kenneth P. Martin, treasurer and former president of the Graduate Student Association, is the 1992 recipient of the Barash Award for Human Services.

The honor, which consists of a certificate and a $1,000 stipend, will be presented at the University Awards Convocation at 2 p.m. Sunday, April 5, in Eisenhower Auditorium.

The family of the late **Sy Barash** created the annual award in 1975. It recognizes a full-time member of the Penn State faculty, staff or student body who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or to the welfare of fellow humans.

Mr. Barash, a Penn State graduate, was a State College businessman from 1953 until his death in 1975. Over the years, he devoted much time, energy and leadership to humanitarian causes on and off campus.

Mr. Martin, a graduate student in political science, has been active in the Graduate Student Association since 1986, serving three terms as president and currently as treasurer.

As GSA president, he has been a leader in bringing attention to issues involving graduate students at the University, such as health insurance for graduate and international students, child care and tax issues. He has represented graduate students in a wide range of contexts, such as the Board of Trustees, University Student Advisory Board, the President's Planning and Budget Advisory Committee, various search committees for high-level administrators and the Martin Luther King Planning Committee.

One example of his work that has benefited the entire University and surrounding community is the coordination and publication of a brochure on child care available in Centre County.

In addition, Mr. Martin has built the GSA blood drive from an annual event to one which occurs five times per year, increasing the annual collection from less than 100 pints to more than 700 pints at the Kern Graduate Building site.

Among his many other accomplishments are serving as a member of the Mayor's Action Network and the Mayor's Student Leadership Task Force, and as a volunteer for the Special Olympics and voter registration drives.

"Ken Martin has devoted enormous amounts of time and energy to serving fellow human beings and has always done so merely because it is the right thing to do," says a nominating letter. "There is no one more deserving of the award than he."

Kenneth P. Martin

Newsletter honored for graphics design excellence

"PreViews," the Center for the Performing Arts' subscriber newsletter has received the International Society of Performing Arts Administrators' Excellence in Graphics Design Award.

The award recognizes outstanding contribution in the category of flyer or mailer.

This is the second consecutive year that the Center for the Performing Arts publications have been recognized by ISPAA. The center's 1991 development brochure won an award in a separate category last year.

Schuylkill Campus

Associate professor garners teaching honor

Stephen R. Couch, associate professor of sociology at the Penn State Schuylkill Campus, has received the 1991-92 Schuylkill Campus Teaching Award.

The award, which is voted on by campus faculty, recognizes and encourages excellence in teaching at the campus. Dr. Couch, who has degrees from Oberlin College and State University of New York, has been at Schuylkill Campus since 1979.

Awards

Equal Opportunity Award

Vice provost is named recipient

James B. Stewart, vice provost, professor of labor studies and industrial relations, and associate professor of economics, has been named the 1992 winner of the Equal Opportunity Award.

The honor, which consists of a certificate and a $1,500 stipend, will be presented at 2 p.m. Sunday, April 5, in Eisenhower Auditorium at the 1992 Awards Convocation.

Created in 1988 by the University, the award is designed to recognize a faculty or staff member who promotes the concept of equal opportunity through affirmative action and contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

Dr. Stewart has been instrumental in the University's efforts to enhance the environment for women, minority students, and faculty and staff for nearly 12 years. He has built a reputation throughout the University community for his commitment to racial and ethnic diversity and educating others about cross-cultural understanding.

In 1988, he played a vital role in helping to mediate between African/Black American student protesters and University administrators. Since 1986, Dr. Stewart has coordinated the educational component of the University's SHARE program, which serves as Penn State's principal vehicle for working toward the end of apartheid in South Africa.

He joined the Penn State faculty in 1980 as assistant professor of economics and director of the Black Studies Program. In June 1990, Dr. Stewart was appointed vice provost with the broad responsibility of planning, developing, coordinating, articulating and advocating the University's goals, policies and procedures pertaining to equal opportunity for underrepresented students, faculty and staff.

He has served as chair of the University's Equal Opportunity Planning Committee, and is active on a host of search committees, Universitywide governance bodies, committees and numerous campus organizations. He is also a member of the University's Campus Environment Team.

His research in Black studies and multicultural education has earned him national recognition, including the prestigious 1990 Presidential Award by the National Council for Black Studies.

Dr. Stewart earned a bachelor of science degree in mathematics at the Rose Hulman Institute of Technology, a master of arts in economics at Cleveland State University and a Ph.D. in economics at Notre Dame, where he held a Notre Dame Afro-American Fellowship and a Ford Foundation National Fellowship.

In addition to his numerous honors, awards and memberships in professional organizations, Dr. Stewart is a co-author of *Regulation, Values and the Public Interest*, co-editor of *Black Families: Interdisciplinary Perspectives*, and editor of the professional economics journal, *The Review of the Black Political Economy*.

James B. Stewart

Director honored for administrative excellence

James M. Elliot

James M. Elliott, director of human resources in the Office of Human Resources, is the 1992 recipient of the John E. Wilkinson Award for Administrative Excellence.

The Wilkinson Award was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. Now supported by Mr. Wilkinson himself, the award is presented annually to a member of the Penn State staff whose performance methods and achievement exemplify administrative excellence.

The award will be given at the University's Award Convocation at 2 p.m. Sunday, April 5, in Eisenhower Auditorium.

The Wilkinson Award is also presented at Bucknell University in Lewisburg. Each award carries a $500 stipend.

A native of Kittanning, Mr. Elliott received a bachelor's degree in psychology from Penn State in 1954 and began work as a personnel assistant at the University the same year. He was appointed supervisor of the employment division in 1955, manager of Employee Relations in 1967, and director of Personnel Relations — now Human Resources — in 1971.

"Jim is by far the best human resource mind that I have encountered in consulting with more than 40 institutions of higher education," says a University colleague. "He is one of the unsung heroes at Penn State who has worked quietly behind the scenes for more than 37 years, but whose positive influence is felt by all who work here."

Elliott's duties involve oversight of a number of human resources matters, including negotiation of contracts with labor unions throughout the University system.

He is president of the board of Centre Home Healthcare, Inc. and past chair of the Centre County Heart Fund and the State College Police Civil Service Commission. He has also served as a secretary of the Centre County Advisory Committee to the Pennsylvania Human Relations Commission.

He is a former national vice president for professional development and member of the board of directors of the College and University Personnel Association (CUPA). Mr. Elliot is also past chair for the association's Eastern Region, and he co-authored the Handbook for the Development of Personnel Policies, published by CUPA in 1988. He received the association's annual award for publications that year.

Outstanding Engineering Alumni named by college

Entrepreneurs, corporate executives and military leaders are among the 12 graduates honored as 1992 Outstanding Engineering Alumni by the College of Engineering.

The Penn State engineering alumni will be honored for outstanding career achievements and for contributions to the engineering profession. They receive the awards 3 p.m., Friday, March 20 during a public ceremony in the Hetzel Union Building, University Park campus.

The 1992 Penn State Outstanding Engineering Alumni are:

— **Charles W. Bert**, holder of the Benjamin H. Perkinson Chair of Engineering, director of the School of Aerospace and Mechanical Engineering and **George L. Cross** Research Professor at the University of Oklahoma, a bachelor's (1951) and a master's (1956) in mechanical engineering;

— **Dean C. Bradford**, a 1943 electrical engineering graduate, president emeritus of BradCo Associates, Inc.;

— **James E. Carnes**, a 1961 engineering science graduate, president and chief operating officer of the David Sarnoff Research Center, Princeton, N.J.;

— **Robert Dankanyin**, a 1956 civil engineering graduate, senior vice president for diversification, Hughes Aircraft Company;

— **James R. Donnalley, Jr.**, a 1939 chemical engineering graduate, retired vice president, Corporate Environmental Programs, General Electric Company;

— **Gene H. Driscoll**, a 1955 mechanical engineering graduate, president of three companies in North Carolina and Tennessee involved in the distribution of Ingersoll-Rand industrial air compressors, industrial pneumatic tools and accessories;

— Vice Admiral **Edwin R. "Rudy" Kohn Jr.**, a 1955 industrial engineering graduate, U.S. Navy Commander, Naval Air Force, U.S. Pacific Fleet;

— **Robert G. McVicker**, a 1964 chemical engineering graduate, senior vice president, technology, quality assurance and scientific relations, Kraft General Foods;

— **John Smidansky**, a 1951 industrial engineering graduate, senior vice president for all manufacturing/operations in four major businesses owned by Forstmann & Little;

— Lt. General **Donald Snyder**, a 1957 agricultural engineering graduate, vice commander, Tactical Air Command, U.S. Air Force;

— **A. Frederick Thompson**, 1950 engineering science graduate, chairman of the board, Roy F. Weston, Inc.;

— **Warren Travers**, a 1950 civil engineering graduate, president of Travers Associates Consultants, Clifton, N.J.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. **APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, March 26. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02284, Strength Training Coach, Intercollegiate Athletics, University Park Campus** — Responsible for development and implementation of strength/conditioning programs for football. Manage and operate strength training facility. Establish hours, schedule or assign use of equipment. Ensure equipment and facility are in safe operating condition. In concurrence with appropriate personnel, design, test, demonstrate, oversee and monitor individualized strength training workouts. Speak at camps and clinics. Hire, train, evaluate, allocate, check work, verify attendance and wages of assigned personnel. Requires bachelor's degree or equivalent in health education, exercise science, physical education or sports medicine, plus one to two years of effective experience in strength training. Master's degree or certification from the American College of Sports Medicine is desirable. STAFF GRADE 6.

■ **02285, Assistant Strength Training Coach, Intercollegiate Athletics, University Park Campus** — Responsible to Head Strength Coach for assistance in development and implementation of strength/conditioning programs for all varsity sports, except football. Responsible for assisting in, or managing and operating various strength training and cardiovascular facilities. Assist in supervisory duties including hiring, training, evaluating, allocating and checking work, verifying attendance and wages of assigned personnel. Teach proper operation of equipment. Respond to inquiries, comments, suggestions, etc. Speak at clinics/camps. Requires bachelor's degree or equivalent in health education, exercise science, physical education, sports medicine, or related field, and up to at least one year of effective experience in strength training at the collegiate level. Master's degree or certification from the American College of Sports Medicine highly desirable. STAFF GRADE 5.

■ **02286, Administrative Aide, College of Engineering, Mechanical Engineering, University Park Campus** — Responsible to the head, Department of Mechanical Engineering, for administrative functions particularly those pertaining to the preparation and maintenance of various reports, records, and controls required within the department. Responsible for preparation of budgetary information, processing staff appointments, and approving forms. Advise staff on arrangements for visiting professors, tours and seminar groups. Responsible for the preparation of materials for questionnaires, annual reports, progress reports, etc. Administer policy related to use of space, office furniture and equipment, etc. Requires associate degree in business administration, or equivalent, plus one to two years of effective administrative experience. Personal computer experience and intermediate level knowledge of spreadsheets required. Experience with administrative computer systems (IMS, IBIS) preferred. STAFF GRADE 9.

■ **02287, Technology Education Assistant, College of Engineering, Nuclear Engineering, Limerick, Pennsylvania** — Responsible to the program coordinator for assisting in the development, coordination, and presentation of various education programs on energy with an emphasis on nuclear energy and ionizing radiation. Assist in development and presentation of energy and energy-related programs for school students, civic and service organizations, professional groups, etc. Provide individuals and groups with both general and technical information on energy, nuclear energy and radiation. Assist in presenting verbal and written proposals to potential sponsors. Requires bachelor's degree, or equivalent, in a science or related field, with up to one year of effective experience. Good communication skills required. This is a fixed-term position funded for one year with probability of re-funding. STAFF GRADE 5.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by March 26.

■ **10243, Clinical Dietitian Specialist, Department of Clinical Nutrition** — Responsible to the manager, Clinical Nutrition for providing leadership in establishing standards of practice for nutritional care, and serve as a consultant to clinical dietitians, physicians and other health professionals. Provide direct patient care and be responsible for needs assessment, program development and evaluation, inservice education, medical staff education and nutrition research. Requires a master's degree or equivalency and registered dietitian, plus up to one year of effective experience. STAFF EXEMPT, GRADE 6.

■ **10258, Grants and Contracts Officer, Department of Grants Contracts** — Responsible to the director for meeting the requirements of the various federal agencies with respect to the negotiation of contracts, subcontracts and grants, and to assist with proposal, analyses, reviews, and recommendations in the acceptance of contracts and grants. Requires a bachelor's degree in business administration or a scientific field plus 4-5 years of effective experience in technical writing and/or dealing with contracts and proposals. STAFF EXEMPT, GRADE 8.

■ **10247, Outpatient Ophthalmology Clinic Coordinator, Department of Outpatient Services** — Responsible to the practice manager, Outpatient Services, for providing leadership to patient care personnel, coordinating all patient care activities within the practice site and performing a variety of clinical duties. Requires current state certification as a nurse practitioner, or state licensure as a physician's assistant and three to four years of effective clinical and management experience. A master's degree in nursing or other related field preferred. STAFF EXEMPT, GRADE 7.

■ **10914, Nursing Manager, College of Medicine, Department of Nursing** — Responsible to the director of Clinical Research, Center/director of Nursing Services, or the assistant director of Nursing Services as designated. Responsible for the operation of the patient care unit, including nursing care activities, the coordination of patient care service, and maintaining acceptable standards of good patient care on a 24-hour basis. A bachelor of science degree in nursing or equivalency, plus three to four years of effective experience and a current license to practice professional nursing in Pennsylvania. STAFF EXEMPT, GRADE 7.

Other voices...

"State tops out on tuition rates"

Editor's note: This March 3 editorial is reprinted with permission from *The Harrisburg Patriot-News*.

Pennsylvania is a state that likes to elect governors who obtained their college education from such places as Yale, Holy Cross and Case Western Reserve.

Maybe that's what accounts for Pennsylvania's truly disgraceful position at the top of the chart when it comes to tuition charges at public universities. We elect governors who have no experience with, or appreciation for, public higher education.

That Holy Cross-graduate Robert P. Casey has proposed pulling the plug on state funding for Pennsylvania's private colleges and universities, declaring that the state's obligation to public institutions comes first, doesn't really change the fact that his state provides the least affordable public higher education in the country.

Pennsylvania holds that unfortunate distinction because it is among the least-generous states in providing funds for higher education. The direct result is high tuition rates and difficulty achieving national excellence because of overcrowding and inadequate facilities and equipment.

To be sure, this is a tough year to plead the case for more funds for higher education. The state is in a financial bind and other needs are feeling the pinch.

Nevertheless, this is as good a time as any for a no-holds-barred self-examination of the state of public higher education in the commonwealth with two goals in mind: Make Pennsylvania's public universities broadly affordable and accessible, and bring them into the front rank of national academic excellence.

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INTERCOM

March 26, 1992 Volume 21, Number 26

David Wormley appointed dean of the College of Engineering

David N. Wormley, associate dean of engineering at the Massachusetts Institute of Technology, has been named dean of the College of Engineering, effective July 1.

Dr. Wormley earned his B.S., S.M. and Ph.D. at M.I.T., where he worked his way through the academic ranks, having begun in 1962 as a teaching assistant. He earned promotion to professor in 1977 and, in 1982, was appointed head of M.I.T.'s Department of Mechanical Engineering.

"We are just delighted that David Wormley has accepted our offer," President Thomas said. "His choice reflects both the quality of our College of Engineering and our commitment to build on the excellence that is there as we move ahead."

Dr. Wormley is a Fellow in the American Society of Mechanical Engineering and is twice the recipient of M.I.T.'s Graduate Teaching Award, once in 1975 and again in 1978. The author of *Automated-Transit Guideways: Analysis and Design and System Dynamics: An Introduction* (to be published later this year), he is widely recognized in his field. His principal fields of interest include dynamic systems, control, design and instrumentation, with emphasis on application to energy and environmental control systems.

Dr. Wormley also brings to Penn State experience in building bridges between research universities and the corporate sector. He has

See 'Wormley' on Page 4.

David N. Wormley

By President Thomas

Financial situation updated

President Thomas updated both the Faculty Senate and the Board of Trustees on the University's current financial situation last week.

During a meeting of the Board of Trustees at the Hershey Medical Center on Saturday, March 21, Dr. Thomas said Penn State would be forced to reorient its budget if the proposed 3.7 percent, or $9.5 million cut in funds, is implemented for 1992-93.

"This comes, as you know, on the heels of cuts of $12 million and $9 million for the last two years," Dr. Thomas told the Board.

He said he has informed legislators that the University is "at the point where Penn State will be able to do fewer things for the Commonwealth."

Echoing comments he made earlier in the week to the Faculty Senate, the president outlined to the Board his goals for the newly formed University Future Committee.

Dr. Thomas said he is asking the committee, chaired by John Brighton, executive vice president and provost, to look beyond raising tuition as a means of coping with the shortfall in state funds.

"If we move now, with the determination and diligence necessary to get the job done, the future of the University will remain in our hands," he said. "If we wait, or waffle in making decisions that must be made, the future could slip away into the hands of economic forces beyond our control.

"Higher education is one of the few areas where the United States is still a world class leader and we obviously should make the commitment to protect that position."

The president said he is committed to making every effort to achieve the necessary cuts in a manner that will not result in layoffs and that will preserve the academic integrity of the institution.

The University Libraries is the only unit in the University that will not be required to reallocate funds in response to proposed budget reductions.

Concerning the hiring freeze that was implemented two weeks ago, Dr. Thomas said "we have placed responsibility for exceptions to the freeze with the senior officer in charge of the unit affected. And the freeze would not hold in areas where it would cost the University dollars."

He said the University is not freezing

See 'Financial' on Page 4.

Morgan gift puts Campaign for Hershey over its goal

Retired Pennsylvania textiles executive John E. Morgan has committed $1 million to the Campaign for Hershey, putting the fund-raising effort over its $10 million goal. Campaign Chairman J. Lloyd Huck announced the gift at the University's Board of Trustees meeting at the Medical Center.

The campaign supports the Hershey Medical Center's new Biomedical Research Building, scheduled to open later this year. Private gifts will be combined with other University funds to pay for the project. No public funds are being used.

Mr. Morgan lives with his wife, Dorothy, in Manalapan, Fla. He founded John E. Morgan Knitting Mills in Tamaqua in 1945. By his retirement in 1984, Morgan Mills operated five Pennsylvania plants employing 1,100 people and was the largest manufacturer of thermal underwear in the United States.

"I can't think of a more fitting way to climax our campaign than to receive this wonderful million-dollar gift, since it was a gift of identical magnitude that kicked off our efforts one year ago," said Mr. Huck, a University Trustee and former president and chairman of the pharmaceutical firm of Merck and Co.

The campaign began last March with a $1 million lead gift from newspaper publisher and Penn State alumnus William K. Ulerich and his wife, Alethea, of Clearfield. Fund raising will continue until the campaign's scheduled end on Oct. 1.

"I'm impressed with the tremendous

See 'Morgan' on Page 4.

Artist's rendering of the Biomedical Research Building at the Hershey Medical Center.

Focus on Diversity

Satellite course in Black Studies offers alternatives

More than 100 students at six campuses are fulfilling Penn State's cultural diversity course requirement this semester by taking Black Studies 100 by satellite.

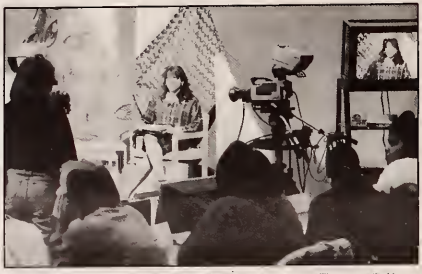
"Penn State is a leader in the nation in using a variety of media, such as satellite technology, as part of the implementation of educational objectives related to cultural diversity," James B. Stewart, vice provost, said.

"Using distance education media to educate people about cultural diversity is the wave of the future," he added. "The technology offers exciting and innovative approaches to looking at history and current events. It also helps us to expand our outreach to more population groups, while as the same time enabling us to overcome the constraints of shortages in faculty trained to teach cultural diversity-related courses."

Shelia K. Martin, instructor for Black Studies 100, agreed. "Instruction by distance education media makes innovative teaching possible," she said. There are challenges inherent in instruction by satellite, because the instructor is not physically present in the classroom.

"At the same time, the format offers many advantages and opportunities including the potential for having more diverse audiences and greater flexibility in the design and use of visual media."

This is the second time that Black Studies 100 has been taught by satellite. Last spring, 143 students from throughout the University system enrolled in the course. This semester, 101 students at six campuses — Allentown, Altoona, Mont Alto, York, Penn State Erie-The Behrend College, and University Park — are exploring and analyzing the status of African Americans in the 20th century. Ms. Martin was the instructor for both courses.



Sheila K. Martin, instructor for Black Studies 100, on the set of the satellite course that is reaching hundreds of students throughout the University system.

The three-credit course fulfills the University's cultural diversity requirement, which specifies that all undergraduate students take either a three-credit, diversity-focused course or 12 credits of diversity enhanced courses before graduating.

About 40 percent of the students enrolled in the course are African/Black Americans. Ms. Martin said the course offers the students a chance to explore their feelings about race, gender and ethnicity, perhaps for the first time. The racial composition of the class is an advantage.

Black Studies 100 meets from 6 to 9 p.m. on Mondays. Its instructional format has been successful, said Ms. Martin, who encourages communication and interaction among her students. She has succeeded in helping them overcome their initial reluctance to use the phone bridge to ask questions and make comments during class.

Using satellite delivery of courses enables students to enroll in courses that may not be available at their campuses. The structure for these courses ensures that students have an academic contact person (proctor) at each campus classroom site, in addition to Ms. Martin, who is available by telephone before each class, as well as at other times.

"Moving from the traditional classroom to instruction by satellite has helped to further develop my teaching skills," she says. "I've developed and taught a number of different courses, and teaching by satellite is a natural extension as I work to perfect my craft."

Nominations sought

The Commission for Racial/Ethnic Diversity is seeking nominations for membership.

The Commission for Racial/Ethnic Diversity serves as an advisory group to the president on matters affecting individuals of the following underrepresented groups: Asian or Pacific Islanders, African/Black American, Hispanic, and Native American.

All University faculty, staff and students are eligible for nomination to the Commission.

Applications for nomination are available at the HUB desk, the Kern information desk, and the Commission office in 313 Grange Building. Nomination forms must be returned no later than April 10.

For further information, call Odette Pineiro at 863-7889 or Tracy Leitzel 863-7696.

Diversity Opportunities Calendar

Thursday, March 26
Penn State Erie, the Behrend College, 7 p.m., 101 Behrend Science Building. Free screening of Spike Lee film "Jungle Fever," followed by discussion led by Lillie Wiley, coordinator of residence life.

Sunday, March 29
Penn State Office of Religious Affairs, 6 p.m., Bethune Memorial Church, in the Wesley Foundation Building 256 East College Ave. Church worship program titled, "Black Church Tradition." Featuring Rev. Thomas G. Poole as preacher of the hour and Rev. Kenneth I. Clarke Sr. as worship leader. Gospel performance by "Essence of Joy," directed by Tony Leach.

Tuesday, March 31
Paul Robeson Cultural Center, noon to 12:50 p.m., Paul Robeson Cultural Center Auditorium. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Paul Robeson Cultural Center, 7 p.m. to 8 p.m., Paul Robeson Cultural Center. Free screening of film, "Black Sugar," followed by discussion.

Residence Life, 7:30 p.m., West-Waring Cultural Lounge. Free screening of film, "Marble Man."

Thursday, April 2
Central Pennsylvania Women of Color, noon, Room 101 Kern Graduate Commons. General meeting with speaker Deborah Atwater, senior faculty mentor, Center for Minority Faculty Development.

Saturday, April 11
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Workshop titled, "External Funding Roundtable," by Baiba Briedis, coordinator of grants and contracts in the College of Liberal Arts. Attendance is limited to those who participated in a previous External Funding Workshop. For more information, contact Leah Witzig at 863-1663.

October conference for women in science and engineering fields

The first Women in Science and Engineering Conference for Big-10 Schools will be held Oct. 1-4, 1992, on the campus of Indiana University in Bloomington.

The conference, sponsored by the Committee on Institutional Cooperation, is for those in the University community interested in helping Penn State recruit and retain more women in scientific and technical fields.

Penn State will send a 25-member team to the WISE conference. The team will be responsible for preparing a strategic plan for attracting and retaining more women in science, engineering and mathematics programs on campus and across the CIC. Team members will be selected from undergraduate and graduate students, faculty and staff. Racial and ethnic diversity is a goal in choosing team members.

The Penn State team will have an organizational meeting at University Park before the end of spring semester.

The application deadline for the WISE conference is April 15. University Park applicants may obtain applications from Sharon Luck, 101 Hammond Building. Commonwealth Campus applicants should contact the directors of academic affairs at the campuses.

Focus on Diversity

Technological advances provide assistance to disabled

Computers have helped expand the limits of productivity for University employees — in more ways than one

Hundreds of Penn State students and staff members with disabilities are requesting and getting assistance through specialized office automation and computers.

"A growing number of people are learning that the University is prepared to help disabled students and employees feel welcome and grow," **Brenda Hameister**, Office for Disability Services coordinator, said.

The Office for Disability Services is the focal point for programs, counseling services, facility access arrangements and requests for special equipment and for other arrangements for students, faculty and staff with disabilities. Students may be eligible to receive financial aid through one of seven scholarships.

The office also coordinates a wide range of services for those with learning impairments, visual impairments, hearing impairments or other disabilities. Services range from in-class assistance such as providing volunteers to read blackboard notes, to providing out-of-class assistance such as time management counseling.

Employees may request services such as parking arrangements, adaptive computers and other equipment that enables workers with disabilities to be productive.

"Penn State is using technology to welcome an increasing number of people with disabilities who are becoming productive and successful," said Ms. Hameister.

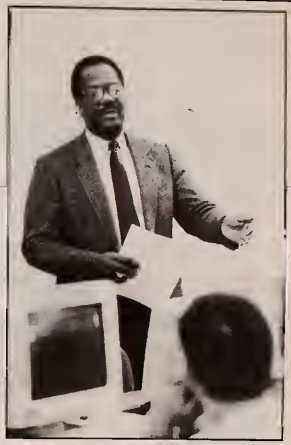
The number of people with disabilities employed and enrolled at Penn State has grown. For example, the number of students with disabilities who have contacted the Office for Disability Services at University Park has skyrocketed from 86 in 1980 to 666 in 1991, an average growth of 21 percent annually.

Ms. Hameister attributes much of the growth to the fact that people with disabilities are more willing to report their disabilities because they are receiving support.

"In general, many potential employees with disabilities have been afraid to report their disabilities because they believed it could affect their chances for employment," she said. "At Penn State, we assure all applicants that any individual qualified for employment or academic enrollment can be hired as an employee or matriculate as a student."

As a result, the Office for Disability Services has made many policy and building site changes during the past few years to help these capable students and employees realize their educational and employment potential.

"We do a lot more than just making the buildings, classrooms and public phones at all 23 Penn State locations wheelchair accessible," she noted. "Many people are finding that we can help, no matter how unique their disabilities."



Discussing the real world

As part of the new Philadelphia Inquirer Professional in Residence Program, Gerald Jordan, assistant city editor, recently spoke to journalism students at University Park.

News in Brief

Blood drives

The University Park blood drive continues this spring, after garnering 945 pints of blood in January and February, taking top honors in the new campaign with Temple University the Penn State-Temple Lifesaver Cup.

Coming drives include Kern, Thursday, March 26th, 10 a.m. to 4 p.m., and the HUB, Tuesday, March 31 through Wednesday, April 1, from 10 a.m. to 4 p.m. While walk-ins are welcome, appointments help for planning purposes. Appointments for the Kern drive may be made at 865-4211; call the Red Cross at 237-2713 to make an appointment to donate at the HUB.

Healthy individuals may donate blood every 56 days.

Penn State Harrisburg talk

Sharon E. Kingsland, associate professor, History of Science Department, The Johns Hopkins University, will visit Penn State Harrisburg on March 31 as the third speaker in the 1992 Spring Lecture Series. She will speak on "The History of Ecology and Environmentalism: Making the History of Science Relevant to the Concerns of the '90s," at 7:30 p.m. in the Student Center, Capital Union Building. The lecture is free to the public.

Dr. Kingsland, author of *Modeling Nature: Episodes in the History of Population Ecology*, is concerned with the usefulness of a historical perspective in dealing with modern environmental problems.

Conference on children's literature

Children's Literature Matters will be held Friday and Saturday, April 3 and 4, at the Keller Conference Center at University Park.

Sponsored by Penn State Continuing Education and the College of Education, the program's goal is to help teachers, librarians, parents and other adults get children interested in reading children's literature.

For more information about the conference, call Dan Hade at (814) 865-2161. To register for the conference, call Donna Ricketts at (814) 863-1743.

Recycling video teleconference

Penn State Harrisburg will co-sponsor a live teleconference on recycling which will link the consumer, processor and manufacturer and explain the process from start to finish.

"The Links for Successful Recycling of Paper and Plastics," is designed for anyone who handles recyclable paper and plastics. Airing from 10:30 a.m. to 6 p.m. Wednesday, April 1, it is the second annual teleconference sponsored by the Pennsylvania Departments of Environmental Resources and Education and Penn State Harrisburg. Co-sponsor is the Environmental Protection Agency, Region III.

Primarily discussed will be issues concerning the status of paper and plastics markets in the state and the Northeast; increasing efficiency and quality from municipalities, and enhancing transportation capabilities. For more information, call Mark Borger at the Penn State Harrisburg Eastgate Center, (717) 772-3590.

Communication skills training

The Individual and Family Consultation Center of the College of Health and Human Development is now opening enrollment to couples and families for communication skills training. Strategies and skills which enhance relationships and prevent or resolve conflicts and problems will be taught.

For information on scheduling, please contact Joanne Kempher at (814) 865-1751 as soon as possible.

Morgan gift puts Campaign for Hershey over its goal

Continued from Page 1

impact the Hershey Medical Center has on Pennsylvania and the entire nation through its outstanding patient care, research and education – particularly with children, an area that is of special interest to me," Mr. Morgan said.

Mr. Huck noted that Mr. Morgan's gift also would make it possible for the campaign to receive a $600,000 challenge grant recently offered by the Kresge Foundation.

"In addition to strong corporate and foundation support, this campaign has enjoyed broad-based support among Penn State alumni and friends. Our volunteer campaign committee has provided outstanding leadership, and we are continuing to receive commitments at all levels."

He pointed out that the Medical Center's faculty and staff have pledged more than $800,000 toward the campaign – the largest contribution for a single project ever made by one of the University's academic units.

The Biomedical Research Building will contain laboratories for a number of departments, including anesthesia, medicine, microbiology and immunology, neuroscience and anatomy, ophthalmology, pathology, pediatrics, and radiology and surgery. It will also have the first new student space – study areas and seminar and activity rooms – to be constructed since the Medical Center opened in 1967.

"John Morgan's gift is a significant investment in improving the quality of medical research and treatment, and its impact will be felt for generations," C. McCollister Evarts, senior vice president for health affairs and dean of the College of Medicine, said.

The gift will be made through the Florida-based John E. Morgan Foundation. In recognition of Mr. Morgan's generosity, Dr. Evarts said the Medical Center intends to name the Morgan Children's Research Center, on the seventh floor, of the Biomedical Research Building.

These volunteers served with Mr. Huck as campaign and committee members of Penn State's Campaign for Hershey:

– **William H. Alexander** of Hummelstown, chairman of H.B. Alexander Enterprises;

– **Howard O. "Mike" Beaver Jr.** of Reading, retired chairman and CEO of Carpenter Technology Corp.;

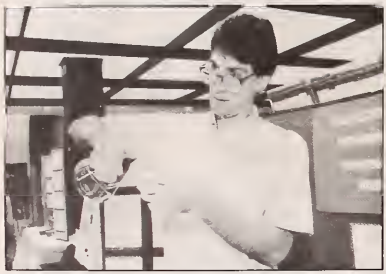
– **Louis R. Benzak**, president of the New York investment firm of Spears, Benzak, Salomon and Farrell;

– **Elouise R. Eberly** of Uniontown, registered nurse and trustee of Uniontown Hospital;

– **David M. Joyner M.D.**, of Camp Hill, orthopaedic surgeon;

– **John Waldhausen** M.D, the John Oswald Professor and chairman of the Department of Surgery at the Hershey Medical Center; and

– **Richard A. Zimmerman**, chairman and CEO of Hershey Foods Corp.



Graduate Research Exhibition

Bill Swatos, graduate student in polymer science, makes "slime" to demonstrate basic principles of polymeric materials at the seventh annual Graduate Research Exhibition held March 20-21 in the Kern Graduate Building at University Park. More than 100 graduate students competed for awards totalling $10,000. (Photo: Greg Grieco)

Elsewhere in Higher Education

Editor's Note: Budget cuts and other fiscal constraints are key concerns among higher education institutions in the Association of American Universities, of which Penn State is a member. The following excerpts are from The Monitor, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

• Ohio State's college and offices have been asked to contribute 2.8 percent of their remaining budgets to compensate for the reduction in state funding.

• The governor's proposed 1992-93 budget for the University of Wisconsin System will essentially freeze state funding at the same level as the current fiscal year, according to UW-Madison officials.

• It will cost more to attend Stanford University next year, but it appears that academic programs will escape the University's $43 million budget-cutting exercise relatively unscathed.

• Gov. Cuomo's proposed $143.5 million cut in state support for SUNY signals "a very bad budget" for the State University of New York at Buffalo.

• The University of Illinois will have to raise tuition more than previously expected and may have to lay off employees at its two campuses to deal with state budget cuts, President Stanley O. Ikenberry says.

• In an effort to balance the University of Southern California's budget by the end of this fiscal year, some units will begin laying off staff. The layoffs will come in the administrative areas of the University's 66 centers, including academic units. Faculty will not be affected by the cutback.

Award nominations being sought

The Penn State Chapter of Educational Office Personnel (PSEOP) is accepting nominations for the Seventh Annual Outstanding Office Personnel Award which is open to all faculty and staff throughout the University system.

PSEOP, now in its eighth year, pioneered the concept of giving recognition to University staff who have provided exceptional meritorious service on behalf of Penn State.

Criteria for selecting the award recipient are: initiative and enthusiasm; responsibility and quality of work; cooperation with co-workers; commitment to performing in a professional manner and expressing pride in the professionalism; attitude toward Penn State customers who visit or telephone Penn State offices; attitude toward other Penn State employees; in-service training for self-development; activities that have enhanced Penn State's goals and objectives; outside activities; years of service.

For a nomination form, contact your Personnel Representative or Deborah Bennett, Chairperson, Nomination Committee, PSEOP, at (215) 889-1300. A typed letter of support and copy of the candidate's resume must be submitted with the completed nomination form to Deborah Bennett, 310 BAB, University Park, PA 16802, by March 27.

Wormley

Continued from Page 1

consulted with more than thirty companies, including Air Products, Proctor and Gamble, Westingbouse, JAR Associates and General Motors. In addition, he has served as chairman of the board of directors of the Massachusetts Technology Development Corporation.

His memberships include the American Society of Mechanical Engineers, where he has served as chairman of the Technical Panel on Transportation Automatic Control Division; the American Society of Mechanical Engineering, where he serves as vice president of the Systems and Design Group; Phi Tau Sigma, and Sigma Xi.

Financial

Continued from Page 1

positions where searches currently are in their final stages or those positions where a convincing case can be made for approval by the executive vice president and provost or the senior vice president of the unit involved.

"We also will continue to advance the University's commitment to the recruitment and retention of outstanding women and minorities as we move this process forward."

From the Trustees Docket

Board approves preliminary designs for Convocation Center

The Board of Trustees has approved preliminary designs for the University's proposed $50 million-plus Academic/Athletic Convocation and Events Center.

Construction could begin in 10 months, after final plans are approved in Fall 1992.

According to the plans, the main building at the corner of University Drive and Curtin Road, near Beaver Stadium, will be 490 feet by 390 feet. An extension on the south side will measure 110 feet by 340 feet. Total floor area will be approximately 345,000 square feet.

It will be a multi-use facility. Multiple floor configurations and seating arrangements will be possible. Center stage entertainment events will allow the maximum number of 16,500 seats; end stage graduation and meeting events will be configured for 8,000 to 10,000 seats; side stage theater will seat 3,000 to 5,000 and with the retractable seats fully closed for other large non-athletic events, the seating will be for 12,500 people.

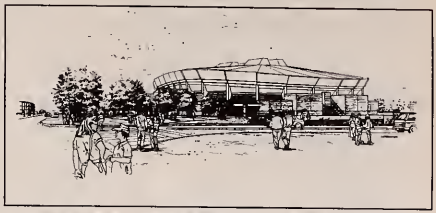
The joint venture of Haas/Rosser Fabrap/Brinjac, Kambic is the project's designer, and is composed of John C. Haas Associates of State College, Rosser Fabrap International of Atlanta and Brinjac, Kambic Associates of Harrisburg.

Henry Teague of Rosser Fabrap, the project's chief designer, said that aesthetics is a prime consideration in the design of the project.

"Projects of this size are necessarily large," Mr. Teague said. "We are softening the scale on this project by creating a variety of spacial shapes. The exterior materials also are important to this feeling. We will be using a significant amount of brick because it is the basic material of the Penn State campus."

The firm's previous designs have included the Carrier Dome in Syracuse, N.Y.; the University of North Carolina's Dean Smith Arena; Cincinnati's Riverfront Stadium; Atlanta-Fulton County Stadium; Rich Stadium in Buffalo; and the Pyramid Arena, now under construction in Memphis.

A recent study by University researchers estimated that when the Convocation Center is fully operational, it will host up to 200 events annually and attract 1.25 million visitors. This level of activity would result in a $24 million annual economic impact for central Pennsylvania and the creation of 500 jobs.



Artist's rendering of the new Academic/Athletic Convocation and Events Center to be constructed at the corner of University Drive and Curtin Road.

Artist's sketch of operating suite at Hershey Medical Center

The state legislature has authorized $33.8 million for the project, and the University is raising $20 million in private funds. The center is expected to open by the 1994-95 winter sports season.

In other action, Trustees:

- Approved sketch/preliminary plans for an addition to relocate the Emergency Department and add to the existing operating room suite at the Hershey Medical Center.

The two-story addition will be positioned between the Hospital East Addition and the Clinical Science (Crescent) Wing. The project will include 31,500 square feet in new construction and 20,250 square feet in renovated area.

New construction on the second floor will provide seven new surgical suites with attendant support facilities. Four existing surgical suites also will be upgraded to give a total of 11 new state-of-the-art surgical suites.

The project will relocate the Emergency Department to the first floor following completion of the University Physicians Center addition now under construction. New construction on the first floor will allow for future growth.

The total project cost is estimated at $16,715,099. Architect for the project is Robert D. Lynn Associates of Philadelphia.

Campaign for Penn State helps triple endowment funds over five-year period

The Board of Trustees has learned that the market value of the University's pooled endowment funds stands at $217.7 million, more than three times the market value of five years ago.

The increase — from $70.8 million in 1986 — primarily reflects the new endowments created by The Campaign for Penn State and investment earnings reinvested after providing more than $40 million of aggregate support for endowed programs during that five-year period.

"Investment performance results for the year were very strong, with a composite total return of 23.6 percent, despite a 'defensive' asset mix policy that included a below-average equity content of about 42 percent, contrasted with a 53 percent average equity content for the college/university endowments tracked by Cambridge Associates," Ted Junker, chairman, Committee on Finance, told the Trustees.

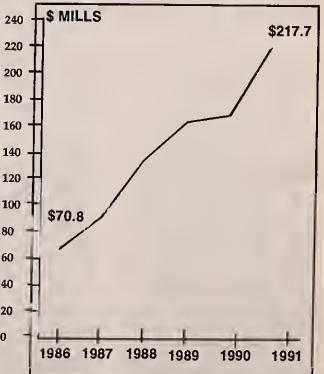
He credited the strong 1991 performance to the exceptional equity results, noting that the equity return for the pooled endowment was about 38 percent for the year, which easily outperformed the S&P 500 at 30 percent.

"Performance of the fixed-income investments was equally impressive, particularly the Common Fund with a one-year return of 21.6 percent," he noted. "The University's overall composite fixed-income return was a solid 15.5 percent for the year."

Longer-term performance results continue to be favorable, with the five-year composite total annualized return of 10.8 percent, which is more than double the inflation rate during this period, resulting in a real return of 5.7 percent, according to Mr. Junker.

"Significantly, the endowment spending policy objective rate of 5 percent has been achieved while providing in excess of $10 million per year in program support currently," he added.

Total market value of the University's endowment pool investments has more than tripled over the past five years - from $70.8 million to $217.7 million. This rise primarily reflects the new endowments created by The Campaign for Penn State and investment earnings reinvested after providing more than $40 million of aggregate support for endowed programs.



includes the M.S. Hershey Center Trust Fund, which was consolidated with the Associated Trust Funds as of June 30, 1989.

From the Trustees Docket

Baccalaureate degree applications on the rise

Baccalaureate degree applications to Penn State have increased this year, despite continuing declines in high school graduates, Trustees have learned.

In an informational report, **John A. Brighton**, executive vice president and provost, said, "Baccalaureate degree applications are up by about 2 percent, 36,187 this year versus 35,562 for last year. Overall, applications to date are at about the same level as they were last year, which is good news considering the declining pool of high school graduates."

As part of a deliberate strategy to control growth at University Park, offers of admission there are 5 percent lower than last year. However, the number of students who have accepted an offer of admission to University Park has decreased by only 1 percent from last year.

Offers of admission to Commonwealth Campuses are up by 10 percent this year and paid accepts have increased 4 percent.

"The increase in Commonwealth Campus offers is in large part the result of a new policy by the Admissions Office," Dr. Brighton said. "Applicants who have not indicated a Commonwealth Campus as one of their choices are offered admission to a specific Commonwealth Campus based on available space in residence halls or in the service area where the applicant lives. Students have the opportunity to select a different campus if they wish."

About 1,400 offers of this type have been made this year compared to 200 last year. This program is offered on an experimental basis this year, and will provide information for the admissions process next year.

At Penn State Erie, The Behrend College, paid accepts for Fall 1992 have increased by 16 percent, from 513 to date versus 443 at this time last year.

"Early minority admissions figures for Pennsylvanians also are encouraging," Dr. Brighton said. "The number of baccalaureate degree applications from Pennsylvania residents for all minority groups has increased by 8 percent over 1991. However, there has been a significant decline in out-of-state applications."

Compared to last year, African American and Latino/Hispanic students who have accepted offers are up 4 percent over this time last year even though the number of students offered admission is down. Applications to date are also down. African American student applications are down by 9 percent, 1,219 so far this year versus 1,346 last year, and Hispanic applications are down by 6 percent, 711 versus 760.

Black Studies Program earns status as new department

The Board of Trustees has approved the transfer of the Black Studies Program to the College of the Liberal Arts and its change in status to Department of African and African-American Studies.

The creation of this new department will take effect when a department head is appointed. The Black Studies Program previously had been included under the Office of Undergraduate Education.

The Department of African and African-American Studies will help the College of the Liberal Arts provide a more diverse curriculum. Many of the courses required for the already existing African and African-American studies major are cross-listed with Liberal Arts departments.

In addition, Trustees heard the following information on graduate programs:

— Course work requirements for the dual-title doctor of philosophy degree and master's degree in operations research under Intercollege Graduate Programs will be reduced from 60 to 36 credits in order to increase student participation.

— Admission and degree requirements will be changed for the master of science degree in architecture in the College of Arts and Architecture.

— The number of credits required for the master of science degree in nursing in the College of Health and Human Development will be increased by one credit, due to the addition of Nursing 501 (Issues in Nursing and Health Care).

— The number of credits required for the master of public administration degree and concurrent master of arts degrees in French studies and public administration will be increased by one credit, because of the addition of Public Administration 592 (Information Utilization and Communication in Public Administration).

Trustees also learned about the following undergraduate programs:

— Transfer of the athletic training option from the major in health education to the major in exercise and sports science. Both majors are offered by the College of Health and Human Development.

— The bachelor of social science degree with a major in public policy at Penn State Harrisburg will be renamed the bachelor of science degree in the major of public policy.

— The minor in national security affairs in Intercollege Undergraduate Programs will be dropped due to low enrollment.

Board of Trustees approves 1992-93 room and board rates

The Board of Trustees approved rate increases for room and board for 1992-93 at its meeting March 21 at the Hershey Medical Center.

Room and board rates for the standard double room and meal plan 3, which is selected by most students, will increase 3.4 percent, beginning in fall 1992. This increase approximates the consumer price index forecast for 1992.

More than 78 percent of the undergraduate on-campus population at Penn State is housed in the standard double room. Rate increases for other types of accommodations, which include singles, doubles, triples, single student apartments and suites, will vary from $25 to $40 a semester.

Family apartments will increase $20 to $25 per month, depending on the type of apartment. Basic telephone service is being included in the rate and represents $11.55 per month of the increase.

"The University is anticipating higher costs in areas such as food, utilities, salaries and benefits," said Steve A. Garban, senior vice president for finance and operations and treasurer. "The Residence Hall and Dining Commons program is completely self-supporting. State funds are not used for the operation or the construction and maintenance of facilities."

The standard double room and board rate for 1992-93 will increase by $60 per semester.

New double room and board rates per semester are:

– $1,725, including Meal Plan 1 (22,000 points)

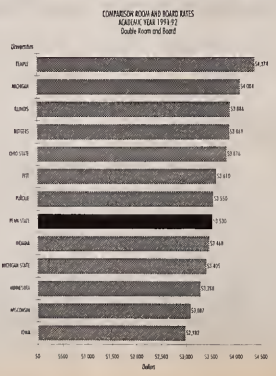
– $1,775, including Meal Plan 2 (27,000 points)

** $1,825, including Meal Plan 3 (32,000 points), which is selected by the highest percentage of students.

– $1,865, including Meal Plan 4 (36,000 points)

– $1,895, including Meal Plan 5 (39,000 points).

Currently, students may chose from five meal plans offering from 22,000 to 39,000 points. Points are deducted from the plan, based on meals eaten in a dining hall or in other campus eateries.



Physical Sciences Computing Laboratory

Open house to display up-to-date technology

The university community is invited to attend an open house of the Physical Sciences Computing Laboratory from 3:30 to 5 p.m., Friday, March 27, in 310 Osmond Laboratory at University Park. Visitors will have the opportunity to tour the new computing center and see demonstrations of some of the most up-to-date computer technology.

The laboratory, which began operations at the beginning of spring semester, is open to undergraduate majors in the departments of Astronomy and Astrophysics, Chemistry, and Physics. According to **James Annett**, assistant professor of physics and director of the laboratory, it is the first computing facility at Penn State designed specifically for students in the physical sciences.

"These computers are providing undergraduates with some of the most powerful hardware and software available," he said. "Students now have access to the same types of computers that today's working astronomers, chemists, and physicists use in offices and research laboratories."

Currently, one sophomore-level and five upper-level physical sciences courses are regularly using the computing laboratory's 14 work stations to solve homework problems, write papers, and work on research projects.

"So far the response has been great," said **Richard Robinett**, an associate professor of physics who is using the laboratory for a quantum physics course. "The students want to spend more time on the computers so they can learn how to solve more complex problems. They think it's exciting, and I believe that enthusiasm is 95 percent of getting people to learn."

The Physical Sciences Computing Laboratory, which is open from 8 a.m. to 10 p.m., Monday through Friday, is made possible through a donation of equipment from Sun Microsystems, Inc. The laboratory is one of many projects in the New American Scientist Initiative, a program that represents a commitment by the faculty within the Eberly College of Science to bring about fundamental change in the undergraduate educational experience.

Heidi Hoberstroh, research technologist in the Department of Physics, provides technical support to a student in the Physical Sciences Computing Laboratory.

Eberly College honors three Alumni Fellows

James Balog, chairman of 1838 Investment Advisors; **Gordon G. Fee**, senior vice president of Martin Marietta Energy Systems, Inc., and Lt. Gen. **Harry E. Soyster**, retired director of the U.S. Army Defense Intelligence Agency, will be honored as Alumni Fellows of the Eberly College of Science April 9-10 at University Park.

During their visit, they will each receive an Alumni Fellow Medal and will meet with college faculty and students.

As chairman of the Philadelphia-based 1838 Investment Advisors, Mr. Balog, a resident of Spring Lake, N.J., oversees the management of approximately $3.5 billion in funds for corporate pension plans, endowments, and individuals.

He began his career in 1951 at Merck & Co., where he worked as a research chemist in the development of synthetic cortisone and also held various positions in engineering, production, marketing, and finance. After 10 years with Merck, he began a career on Wall Street as a securities analyst and portfolio manager. In 1969, he joined the research firm of William D. Witter, Inc., serving as a chairman, and in 1976, he joined Drexel Burnham Lambert, Inc., serving as vice chairman of the company and head of its legislative and public policy activities.

Awarded the Secretary's Recognition Award for service to the U.S. government, Mr. Balog has served as a member of the Advisory Council on Social Security, as committee chairman of the White House Conference on Aging, and as chairman of the Public/Private Sector Advisory Committee. In addition, President Reagan appointed him to the Bipartisan Commission on Comprehensive Health Care.

A 1950 Penn State graduate with a bachelor's degree in premedicine, he earned a master's degree in business administration in 1958 at Rutgers University.

Mr. Fee, a resident of Oak Ridge, Tenn., was appointed senior vice president of Martin Marietta Energy Systems in 1991, having previously served as vice president and manager of the Oak Ridge National Laboratory Y-12 Plant, a manufacturing and developmental engineering organization with responsibilities for the nation's defense.

Before joining the Y-12 Plant, he was general manager of the Operating Contractor's Office for the Portsmouth Gas Centrifuge Enrichment Plant and held various managerial positions in Oak Ridge and facilities owned by the Department of Energy.

In 1990, the DOE honored him with an award acknowledging his work as a plant manager, and in 1986, the Society of Manufacturing Engineers presented him with the Eli Whitney Memorial Award.

Mr. Fee is chairman of the Planned Giving and Endowment Development Committee for the Greater Knoxville United Way, executive director of the Energy Facility Contractors Group, and a member of the American Society for Engineering Management.

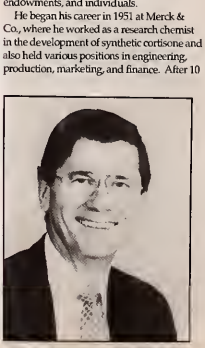
A 1956 Penn State graduate with a bachelor's degree in physics, he earned a master's degree in nuclear engineering at the University of Tennessee.

Gen. Soyster, who lives in Annandale, Va., was director of the Defense Intelligence Agency from 1988 until his retirement in December 1991. Before his appointment as director, he held numerous command and staff positions, including chief of staff, 24th Infantry Division, Fort Stewart, Ga.; deputy assistant chief of staff for intelligence (systems and automation), Office of the Assistant Chief of Staff for Intelligence, Washington, D.C.; and commander of the U.S. Army Intelligence and Security Command, Arlington Hall Station, Va.

Gen. Soyster's numerous military decorations and awards include the Distinguished Service Medal, the Legion of Merit, the Bronze Star Medal, the Purple Heart, the Joint Service Commendation Medal, and the Army Commendation Medal. He was promoted to Lt. Gen. in 1988.

A native of Hollidaysburg, he graduated from the U.S. Military Academy in 1957 with a bachelor's degree in engineering. He went on to earn a master's degree in chemistry at Penn State in 1963 and a master's degree in systems management at the University of Southern California in 1973.

The Alumni Fellow Award, the highest honor given by the Penn State Alumni Association, is administered in cooperation with the academic colleges. The Board of Trustees had designated the Alumni Fellow title as permanent and lifelong.



James Balog

Gordon G. Fee

Lt. Gen. Harry E. Soyster

Focus on the arts

Odyssey on WPSU

John Barth, author of *Lost in the Funhouse*, reads from his latest novel, *The Last Voyage of Somebody the Sailor*, on the next episode of Odyssey Through Literature.

His works, says host Leonard Rubinstein, professor emeritus of English, are "profoundly entertaining medleys of metaphysics and mischief."

They induce vertigo, Professor Rubinstein says, by destroying comfortable measures of time and space. "You won't allow us to be in a present or a past that's separate from the future."

Discussing The Last Voyage of Somebody the Sailor, which combines the seven voyages of Sinbad with the problems of a failing Eastern Shore journalist, Professor Rubinstein notes, "In your work there seems to be a principle operating that the oldest is the newest."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

The arts on Channel 3

"A Doll's House," Henrik Ibsen's dramatic foreshadowing of latter-day women's liberation from the shackles of totally submissive marriage, airs on Masterpiece Theatre at 9 p.m. Sunday, March 29.

With new British star Juliet Stevenson as Nora, the wife who broke with 19th century conventions to strike out in search of her identity, "A Doll's House" also stars Trevor Eve as Torvald, the husband who regards her more as a plaything than a person, and Geraldine James as Nora's empathetic friend Kristine Lind.

April Fools concert

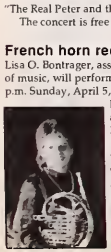
Faculty members and students of the School of Music will present an evening of musical levity in an April Fools concert at 8 p.m. Wednesday, April 1, in the Music Building Recital Hall at University Park.

The program will include humorous pieces such as "Not fur Elise," "Ode to the Boys of Spring," "Danny Downbeat," "The Ideas of March," "The Sonata for Viola Four-Hands" and "The Real Peter and the Wolf."

The concert is free to the public.

French horn recital

Lisa O. Bontrager, assistant professor of music, will perform in concert at 2 p.m. Sunday, April 5, in the School of Music Recital Hall at University Park.



The program will include Concerto No. 4 in E-flat Major by Mozart and SOLOSFORHORN, by contemporary American composer Joseph Ott. Marylene Dosse, piano, and James Lyon, violin, both School of Music faculty members, will join Bontrager to perform Brahms' Trio. Op. 40 for piano, violin and horn.

Ms. Bontrager performs with the Pennsylvania Quintet, Penn State's resident faculty wind ensemble, and is extra horn with the Rochester Philharmonic and the Chautauqua Symphony. She has won national and international music competitions and has performed as a soloist in Italy, Germany, Poland and the United States.

The concert is free to the public.

Big band concert

Inner Dimensions and Outer Dimensions, big bands in Penn State's jazz program, will perform in concert at 8 p.m. Monday, April 6, in the School of Music Recital Hall at University Park.

Inner Dimensions, under the direction of graduate assistant Howard Lamb, will perform music from the libraries of Stan Kenton, Buddy Rich and such composers as Frank Mantooth, Johnny Richards, Don Menza and Urbie Green.

Outer Dimensions, under the direction of Gary Adams, will perform works from the libraries of Count Basie, Stan Kenton, Buddy Rich and Don Menza.

The concert is free to the public.

Mallet ensemble

The Penn State Mallet Ensemble I and II will perform in concert at 12:10 p.m. Thursday, April 9, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will include arrangements of works by Bartok, Beethoven, Tchaikovsky and Humperdinck. Krista Lundvall, a sophomore music education major, will perform as xylophone soloist in an arrangement of Chopin's Polonaise Militaire.

Mallet Ensemble I is directed by Dan C. Armstrong of the School of Music faculty. Mallet Ensemble II is directed by Kevin Taylor, a graduate assistant.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Women's Chorus

The Penn State Women's Chorus will perform in concert at 2 p.m. Sunday, April 12, in the School of Music Recital Hall at University Park.

Under the direction of Elizabeth S. Tilghman, the chorus will perform Renaissance sacred music by Palestrina; folk songs by Mendelssohn, and spirituals by Dawson, as well as works by Thomson, Berger and Bright.

The Penn State Keynotes, a 24-voice chamber choir drawn from the Women's Chorus, will perform a cappella works by Bartok, Durufle and Pinkham, along with selections from the "Stabat Mater," by Pergolesi.

The concert is free to the public.

Soloist to perform

Beverly Benda, soprano soloist with the United States Army Band, will perform in concert with the Penn State Symphonic Band at 8 p.m. Saturday, April 11, in Eisenhower Auditorium at University Park.

The program will include "Peterloo," by Arnold; March from "Symphonic Metamorphosis," by Hindemith; "Russian Christmas Music," by Reed; Chorale Prelude, by Barnes; "Hobbits" from "Lord of the Rings," by Johan de Meij, and the Overture to "La Forza del Destino," by Verdi.

Dr. Benda, who will sing Broadway and patriotic songs, was a member of the voice faculty of the Eastman School of Music. She currently is a member of the United States Army Chorale. She performs Broadway music extensively in Washington, D.C., including performances for heads of state and the White House.

Dr. Benda, who also works with community theater groups, received her doctor of musical arts degree from the Eastman School of Music and was awarded its Performer's Certificate.

The Penn State Symphonic Band is conducted by Ned C. Deihl, with graduate assistant Jack Schmidt. The concert is free to the public.

Castalia Trio

The Castalia Trio will perform in concert at 4 p.m. Sunday, April 12, in the School of Music Recital Hall at University Park. The program will include Opus 1, No. 1, by Beethoven, and D-minor Trios, by Arensky.

The Castalia Trio consists of School of Music faculty members Marylene Dosse, piano; James Lyon, violin; and Kim Cook, cello. The ensemble derives its name from an ancient fountain on Mount Parnassus that was considered sacred to the muses and a source of poetic inspiration.

There will be a reception following the concert in the lobby of the Recital Hall. The concert and reception are free to the public.

Bracken Lecture

Sir Peter Shepheard, professor and dean emeritus of the Graduate School of Fine Arts at the University of Pennsylvania and this year's Bracken Fellow, will present "Cities of the Dead: Cemeteries and Memorials of World Wars I and II," at 8 p.m. Monday, April 13, in Room 101 Chambers Building at University Park.

His lecture, the last in the Bracken Lecture Series sponsored by the Department of Landscape Architecture, will focus on the works of the British Commonwealth War Graves Commission, emphasizing the part played by architecture and landscape design, with special reference to Lutyens and his fellow designers on the memorials of World War I.

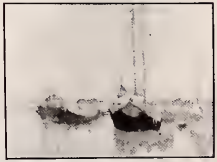
Mr. Shepheard was selected as the 1992 Bracken Fellow due to his distinguished career in architecture, planning and landscape architecture. He received an architecture degree from the University of Liverpool in 1936. Since then, he has designed housing for public authorities, including the Camden Scheme, which won the British Ministry Housing Medal in 1968.

He has published several books, including Modern Gardens and Gardens, and is an Honorary Fellow of the Canadian Royal Institute of Architects and the American Institute of Architects. He has received the Royal Institute of British Architects Distinction honor in town planning.

The lecture is free to the public.

`Art to Go'

"Harbor Scene," by American painter Abraham Walkowitz, will be on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank in



State College during the month of April. The exhibition is part of "Art to Go," sponsored by the Friends of the Palmer Museum of Art.

"Harbor Scene" was completed when Mr. Walkowitz was 20, before he received direct exposure to the European modernists. In style and subject, it acknowledges the impressionists, but even this early work reveals his innovative approach to painting.

A pioneer of modern American painting, Mr. Walkowitz was one of the first to discard traditional rules taught by the academy in favor of pure observation of nature and expression of human emotions.

See 'Arts' on Page 10

University Park Calendar

March 26 - April 2

Special Events

Thursday, March 26
Beef Expo, Ag Arena, through March 29.
Bach's Lunch, 12:10 p.m., Eisenhower Chapel, Penn State Concert Choir.
Lecture, 4 p.m., Rare Books Room, W342 Pattee. Judith Ryan, Harvard Univ., on "Angels and Devils: German Literary Models in Recent American Fiction."
■ Fulbright Informal Lecture Series, 5:30-7:30 p.m., 222 Boucke. Karen Adams, area chief for Western Europe and Canada, Council for International Exchange of Scholars, Wash., D.C., on "Applying for Fulbright Grants for Faculty and Professionals."
School of Music, 8 p.m., Recital Hall. Penn State Brass Choir.
Public lecture, 8 p.m., HUB Assembly Room. Michael Green on "Tracking the Loss of Essential Nutrients Using Mathematical Modeling."
■ Public lecture, 8 p.m., 112 Walker. H.E. Roberto Mac Lean, Peruvian ambassador, on "Drugs, Lies and International Cooperation."

Friday, March 27
■ Fourteenth Annual Penn State Slavic Folk Festival, 10 a.m. to 10 p.m., HUB Ballroom. Also Saturday, March 28, from 10 a.m.-10 p.m., and Sunday, March 29, from 1-6 p.m..
Noontime, concert, Kern Lobby. Happy Valley Flute Trio.
Geog. Coffee Hour, 4 p.m., 319 Walker. Julie Graham, Univ. of Massachusetts, on "Industrial Restructuring in Queensland Coal Mining Towns: Women and the Politics of Place." Refreshments, 3:30 p.m.
Center for the Performing Arts, 8 p.m., Schwab Aud. The Borodin Trio.

Saturday, March 28
Children's Day, Matson Museum of Anthropology, 10 a.m.-3 p.m., second floor, Carpenter Bldg. Cost: $2/child.
Shaver's Creek, 1-4 p.m., Homestead Hike. Call 863-2000.
Penn State Philharmonic Ball, 8 p.m., Nittany Lion Inn.

Sunday, March 29
Shaver's Creek, 2-3:30 p.m., The Winged Hunters. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., A Girl's Own Story/Passionless Moments/Peel (1987); 8:15 p.m., Pickup on South Street (1953), Carnegie Cinema. Free.
Opera workshop, 8 p.m., Recital Hall.

Monday, March 30
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Michael Naydan on "The Poetry of Maria Tsvetayeva."

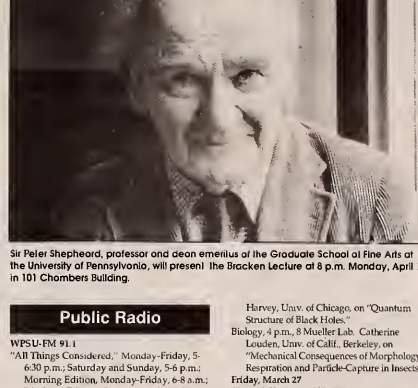
Wednesday, April 1
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Hugh Masekela.
School of Music, 8 p.m., Recital Hall. April Fools Concert.

Thursday, April 2
Bach's Lunch, 12:10 p.m., Eisenhower Aud. Penn State Horn Ensemble.

Friday, April 3
AAUW book sale, Hetzel Union Building, through April 9.
Geog. Coffee Hour, 4 p.m., 319 Walker. Keith Harries, Univ. of Maryland, on "The Geography of Violence in America." Refreshments, 3:30 p.m.

Saturday, April 4
Shaver's Creek, 1-3 p.m., Bluebird Box Workshop. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Yefim Bronfman, piano.

Sunday, April 5
School of Music, 2 p.m., Recital Hall. Lisa O. Bontrager, horn.
Shaver's Creek, 2-4 p.m., Low Impact Lawn Care. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Thriller/Daughter Rite (both 1979); 8:30 p.m., Gun Crazy aka Deadly Is The Female (1949), Carnegie Cinema. Free.



Sir Peter Shepheard, professor and dean emeritus of the Graduate School of Fine Arts at the University of Pennsylvania, will present the Bracken Lecture at 8 p.m. Monday, April 13, in 101 Chambers Building.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
March 27-29. 1992 Annual Meeting of the Eastern Bird Banding Association. John Shaffer, chair; Jack Sinclair, coordinator.
March 31-April 1. Total Quality Schools. Bill Hartman, chair; Eric Loop, coordinator.
April 1. Dental Seminar. Eric Loop, coordinator.
April 1. Maximizing Your Professional Potential. Julie Cooper, chair; Eric Loop, coordinator.
April 3-4. Children's Literature Matters. Dan Hade, chair; Donna Ricketts, coordinator.
April 3-4. Pennsylvania High School Speech League. Jerri Milsom, coordinator.
April 4. Leaders of the Future. Glen McMillen, chair; Jerri Milsom, coordinator.

April 5-8. Supercomputing by University People for Education and Research. Jeffery Almoney, chair; Jerri Milsom, coordinator.

Seminars

Thursday, March 26
Bioengineering, 2:30 p.m., 109 Walker. Yoram Rudy, Case Western Univ., on "Model Studies of Reentry of Arrhythmogenic Activity of a Single Cell."
Physics Colloquium, 3:30 p.m., 55 Osmond. Jeff Harvey, Univ. of Chicago, on "Quantum Structure of Black Holes."
Biology, 4 p.m., 8 Mueller Lab. Catherine Louden, Univ. of Calif., Berkeley, on "Mechanical Consequences of Morphology: Respiration and Particle-Capture in Insects."

Friday, March 27
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond Lab. Linh Le.

Monday, March 30
Ag Eng., 12:20-1 p.m., 239 Ag Eng. Kevin Brannan on "Application of Geostatistics to Spatially Distributed Data to Determine the Grid Cell Size for the AGNPS Nonpoint Source Pollution Model."
EPF, 4 p.m., 339 Davey. Stan Brodsky on "Light Cone QCD."

Tuesday, March 31
Inorganic-Organic, 12:15 p.m., 55 Osmond. Klaas Schildknegt on "Acyclic Stereocontrol via [2,3]-Wittig Sigmatropic Rearrangement."
Population Issues Research Center/Sociology, 12:30-1:45 p.m., 502 Keller. Suzanne Bianchi, Center for Demographic Studies, Bureau of the Census, on "Marital Separation and the Economic Well-Being of Children and Their Absent Fathers."
Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Daniel D. Perlmutter, Univ. of Pennsylvania, on "Kinetics of Gas-Solid Reactions." Refreshments, served.
Chemistry Colloquium, 3:30 p.m., 55 Osmond. George Gokel, Univ. of Miami, on "Self Assembly in Supramolecular Systems."
Biology, 4 p.m., 8 Mueller. Robert Vrijenhoek, Rutgers Univ., on "Genetic Diversity, Fitness and Management of Endangered Desert Fish Populations."
Geosciences Colloquium, 4 p.m., 112 Walker. Peter Knuepfer, SUNY Binghamton, on "Tectonic Geomorphology of Taiwan."

Wednesday, April 1
Biology, 10 a.m., 317 Mueller Lab. Robert Vrijenhoek, Rutgers Univ., on "Gene Flow and Systematics of Deep Sea Hydrothermal Vent Organisms."
Cable Centers seminars, telephone conference, 3:30 p.m., from the Classroom Seminar Room, National Cable Television Center and Museum, Sparks Bldg. Frank Deom, news photographer and video editor; Channing Warrick, news producer, WBOC-TV, Salisbury, Md.

Thursday, April 2
Physics Colloquium, 3:30 p.m., 55 Osmond. Gerald D. Mahan, Univ. of Tennessee.
Biology, 4 p.m., 8 Mueller Lab. James Marden, Colgate Univ., on "Causes and Consequences of Variation in Insect Flight Performance."
Gerontology Colloquia, 4-5 p.m., 106 Mitchell. Bob Knight, Univ. of Southern Calif., on "Psychotherapy with Older Adults: A Maturity Specific Challenge Model."

Friday, April 3
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Gerhard Böhme, York Univ., on "Reactions Initiated by Atomic Silicon Ions: Implications for Circumstellar Chemistry."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Jerzy Dec, Institute for Plant Protection, Poznan, Poland, on "Binding to Humus and Polymerization as a Means for Detoxification of Xenobiotics."

Exhibits

Chambers Gallery
"Undergraduate Photography and Ceramics," through April 24.

Hetzel Union Art Galleries:
Formal Gallery:
■ Portraits of Contemporary Mexican Artists, April 4-May 3.
Art Alley Cases and Art Alley Panels:
Scholastic Art, through April 19.
Browsing Gallery:
Color Slide Club of State College, through March 29.
Irene Pesin, April 4-26.

Kern Galleries
"Fiber Art," Leagh Anderson, April 3-30.

Palmer Museum of Art
"The Art of American Livestock Breeding," through March 29.

Pattee Library
Main Lobby:
"Coal Collection Treasures from the Historical Collections and Labor Archives," through May 22.

Lending Services Gallery:
Paul Robeson Cultural Center
■ Sudan art, through April 30.

Zoller Gallery
Juried exhibition of work by undergraduate students in the School of Visual Arts and at the Commonwealth Campuses, through March 31.

■ Reflects an international perspective

Conference on the Middle Ages and urban warfare set for April at University Park

Siegecraft, crossbows, catapults, battering rams and assault towers are some of the tools and tactics of medieval warfare to be discussed during "The Medieval City Under Siege: A Conference on Urban Warfare in the Middle Ages," April 3-4, at University Park.

"Events in our own time, as seen in Lebanon and Yugoslavia, have shown that the phenomenon of siege is still with us," **Vickie Ziegler**, associate professor of German and chairman of Medieval Studies, said. "The ways medieval people dealt with sudden or long-term military threats would be of relevant interest today."

Medieval walled cities posed problems for the defenders as well as for the attackers. Defenders had to consider wall fortification and food and water supply, while the attackers must breach or undermine the walls.

"Then, as now, the development of new military technology was an inherent factor in siege warfare," Dr. Ziegler said.

Exploring various aspects of the Medieval siege, the conference will include lectures of interest to both the scholarly community and the general public. Experts will discuss 15th century Italian siegecraft, Byzantine siege technology and town defenses in crusader Jerusalem.

Also considered will be chivalry and the city in Chaucer and Gower, the slings and arrows of outrageous love in the Roman de la Rose and the Bonnes villes of France during the Hundred Year's War.

Operation of a full size replica of a traction trebuchet will be the highlight of the workshop and demonstration of medieval military technology scheduled from 3 to 4:30 p.m. Saturday, April 4, on the Pennsylvania Military Museum grounds in Boalsburg.

Kelly DeVries of Loyola College, Baltimore, will speak on the use of gunpowder during the Middle Ages. W. Ted Szwejkowski, of the University of Toronto, will explain the engineering principles involved in the construction of the catapult and how it works.

The trebuchet originated in China and was brought by the Arabs to Europe. Its use persisted past the introduction of gun powder artillery in the 14th century. While the exact operation is unclear, illustrations show the trebuchet used to throw stones for great distances against buildings.

Other highlights of the conference will include a medieval luncheon at the Nittany Lion Inn on Friday, April 3. Cost for the luncheon will be $11.50. A banquet featuring authentic medieval Italian cuisine and decor will be held Friday evening. The Nova Consort will play medieval music on period instruments and the biblical play, "Judith and the Siege of Bethulia," lost for 500 years, will have its North American debut at this time.

The play is from a manuscript collection of 15th century French plays written to be performed on pageant wagons at the "Grande Procession de Lille," a religious and civic observance that was held for 500 years. Although the manuscript dates to the 1480s, the play was probably written sometime in the preceding 20 years. "Judith and the Siege of Bethulia" is from the apocryphal book of Judith and adheres closely to the biblical text.

The cost of the banquet is $19. Conference registration is $25.

The conference is organized by the Medieval Studies Program and sponsored by the Colleges of the Liberal Arts, Arts and Architecture, and Engineering; the Institute for the Arts and Humanistic Studies, Office of the Provost, Graduate School, and the Departments of History, English, Art History, Classics, Comparative Literature, French, German and Spanish.

For further information contact Vickie Ziegler, Department of German, (814) 863-7484 or Judith L. Shawley, 601 Oswald Tower, University Park, PA 16802.

Arts

Continued from Page 8

"Art to Go" complements "The Permanent Collection: From Floor to Ceiling," on view in the Palmer Museum of Art until the new wing is completed. The Museum is open 10 a.m. to 4:30 p.m. Tuesday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Lecture scheduled

Ralph T. Coe, former director of the Nelson-Atkins Museum in Kansas City, Mo., will present "Native American Arts: Change within Community," at 8 p.m. Tuesday, April 14, in 112 Walker Building at University Park.

The lecture is part of the series, "Art and the Native American: Perceptions, Reality and Influences," sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Mr. Coe has served as assistant curator at the National Gallery of Art in Washington, D.C. At the Nelson-Atkins Museum, he was named assistant director in 1965 and director in 1977. He was a senior visiting scholar at the National Museum of American Art in Washington, D.C., from 1982-83, and has worked as a freelance art historian since 1984

He received his master's degree from Yale University in 1957. His fields of specialization include American Indian art, French 19th-century painting, 20th-century painting and American architecture.

The lecture is free to the public.

Centre stage season

Pennsylvania Centre Stage, the regional professional theater located at University Park, has announced its 1992 summer season.

This year's productions will include Neil Simon's comic drama "Brighton Beach Memoirs," the rousing musical "George" and the swank musical revue, "Ain't Misbehavin'." A new addition is a show especially for children, "Yankee Doodle."

Pennsylvania Centre Stage will begin its seventh season on June 17 and runs through Aug. 1. Performances are scheduled for the Pavilion Theatre and The Playhouse Theater at University Park.

The season begins with "Yankee Doodle," an unabashedly patriotic musical for children, to be performed June 6 and 13 at the Playhouse. A cavalcade of American history, this show spotlights the people who made and shaped our nation, including Patrick Henry, Susan B. Anthony and Booker T. Washington.

Neil Simon's funny yet poignant memory play, "Brighton Beach Memoirs" depicts a few days in the life of a struggling Jewish family in 1937. It runs june 19 through july 4 with preview performances June 17 and 18 in the Pavilion Theatre.

George M. Cohan was the most versatile showman in the history of Broadway. "George M.," a musical by Michael Stewart and John and Fran Pascal, tells the flamboyant story of this American original. It runs July 3 through July 18 with preview performances July 1 and 2 at The Playhouse.

The season closes with the Tony award-winning revue "Ain't Misbehavin'." An electrifying, non-stop singing and dancing blockbuster, this dazzling show features the music of the legendary Thomas "Fats" Waller. It runs July 17 through Aug. 1 with preview performances July 15 and 16 in the Pavilion Theatre.

Season subscriptions are now available. For a brochure or additional ticket information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Arts at. . .

Penn State Great Valley

The epic adventure, "Black Robe" will be shown at Penn State Great Valley at 7:30 p.m. Friday, March 27. The film is the true story of a Jesuit missionary's trip through the northwest territories in 1634 to bring Christianity to North American Indians.

"Black Robe" is featured as part of the cultural heritage series "Celebrate America: A Patchwork of Diversity" sponsored by Commonwealth Federal Savings Bank. The film series ends in April with "Come See the Paradise" on Friday, April 24.

Professional Women

Negotiating skills to be topic of March 31 meeting

Billie Willits and **Rachel Miller**, of the Office of Human Resources, will discuss "Negotiation Skills" (Differences Can Lead to Consensus) at the March 31 meeting of Professional Women at Penn State.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of the Eisenhower Chapel at University Park, with an opportunity for informal networking.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

1991-92
Faculty and Staff
Annual Giving

PENN STATE People

At first glance, Penn State People appear to have little in common.

The groundskeeper. The secretary. The professor. The janitorial worker. The budget manager. The graduate assistant. The food handler. The safety officer. The mail clerk. The researcher.

Differences yes, but in the bigger picture, each Penn State employee shares the common mission—that of making Penn State's education, research and public service the very best it can be. People helping people—every day in thousands of ways.

Last year, more than 3,000 Penn State People did something quite extraordinary. They voluntarily contributed nearly $1 million to ensure quality Penn State programs. Of course, these dollars are valuable during difficult financial times. But the internal show of support speaks volumes to alumni, corporations and other funding sources. Penn State employee giving says loud and clear, "We care."

In a few days, you and other Penn State employees will be asked to contribute financially to your favorite area within the University. While it may seem unusual to give money back to your employer, please read (in the following pages) what Penn State People are saying about why they contribute to University programs.

Dear Friends,

Faculty and staff are in a good position to see firsthand the University's most critical needs. Your gifts not only help to meet these needs, but set a wonderful example for alumni and friends. Thank you for all you do for Penn State.

President

Portrait photographs by Greg Grieco.

From the Chair

It was New Year's Day, and I was thinking about streams as I hiked along the Potomac River. At a place called Great Falls, the Potomac drops 250 feet from the Catoctin Mountains down to the Piedmont Plateau, crashing over steep precipices onto huge rock formations and through diverse and tumultuous waterways. It is hard to believe, when you stand before the Great Falls, that its origin is quiet little streams.

I couldn't help but think of the similarities to our lives. Streams of water produce Great Falls just as surely as streams of thought produce Great Works or streams of people produce Great Institutions. You and I, in our own way, are streams that make Penn State Great. Penn State is people. Collectively Penn State's power is every bit as profound as the mighty Potomac crashing over the Great Falls.

Daily on-the-job participation by you, and all other employees, is added together and multiplied each day to make and keep Penn State a special place.

In addition to your on-the-job commitment, your financial support of the University is important. Your gift, combined with gifts from friends and colleagues, helps Penn State maintain its greatness. In fact, in these lean economic times, your support is more critical than ever.

I'm making a commitment...How about you?

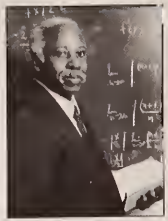
Kenneth C. Blythe
Chair
1991-92 Faculty and Staff Campaign

PENNSTATE

THE ANNUAL FUND *for Academic Excellence*

Winston Richards
Associate Professor Mathematics and Statistics
Penn State Harrisburg

"I give because I believe in the mission of Penn State Harrisburg and because my association with Penn State makes it possible for me to grow and to do exciting and rewarding things with the students and the community."



Herberta Lundegren
Senior Associate Dean
College of Health and Human Development

"To me, the answer to the question, Why Give? is pretty straight forward. You support what you value and believe in; you give back to those things which have given you pleasure (e.g., the Center for the Performing Arts), and you support what you ask others to support (e.g., your College)."

Gale and Janet Bowman
Manager Administrative Support Services, Business Services (Gale)
Administrative Aide, Academic Assistance Programs (Janet)

"Janet and I have been employed by Penn State for a combined 29 years. It gives us great pleasure to give something back to our employer. We feel our gift will help Penn State continue to be the great public institution that it is, and that our support is extremely important with the shortage in state appropriations. This is an opportunity for us to help our employer when it is most needed."

Shirley Hendrick
Assistant Dean for Continuing Education
Smeal College of Business Administration

"I donate to Penn State because there are areas within the University where there is extraordinary effort or dedication by faculty and staff to students or to a project, and where I am confident added resources would be used efficiently and effectively."

Russell Messier
Director
Materials Research Laboratory

"Why do I give to Penn State? Because I'm crazy...no...rather Penn State has been good to me, and this is just a small way of saying thank you. More importantly, though, if my contribution can help make Penn State a better and stronger institution, then everyone wins."

Salvatore Meringolo
Assistant Dean and Head, Collections and Reference Services
University Libraries

"I consider Penn State to be so much more than an employer. It is an institution that strives for excellence in the pursuit of a noble course: the advancement of knowledge. I am proud to contribute to this mission!"

Elaine Rhodes
Director of Development and University Relations Commonwealth Educational System

"I started my education at Penn State McKeesport, and my experience there introduced me to the advantages of an education. I believe in education and in Penn State's ability to improve the society in which we live. By working for the University, I play a part in making this happen. And by giving to the University, I can financially invest in the future I will help to shape."

Faculty and Staff Gifts Boost Penn State's Campaign for Hershey

Typically, when the economy slows, people become more willing to donate their time but less willing to donate their money. Fortunately for Penn State's Campaign for Hershey, the latter has not been the case for Hershey's faculty and senior hospital managers.

As of March 3, 1992, more than $800,000 had been pledged to the Campaign by faculty with a remarkable 72 percent participation rate, and the pledges keep coming in. This is the largest amount of funds ever committed by any unit of Penn State.

John A. Waldhausen, M.D., chair of Hershey's Department of Surgery and chair of the faculty/staff phase of the Campaign, says, "The response by our faculty to the Campaign has been tremendous. We are proud to have established a new record for giving." Serving as vice chairs are Alphonse E. Leure-duPree, Ph.D., professor of neuroscience and anatomy and associate dean for academic achievement, and Herbert Y. Reynolds, M.D., chair of the Department of Medicine.

Adds C. McCollister Evarts, M.D., senior vice president for health affairs and dean of the College of Medicine, "Our faculty have provided a great example of their commitment to the Medical Center by supporting the Campaign so enthusiastically in these challenging economic times."

Allan C. Anderson, vice president and chief operating officer of the Medical Center and director of the University Hospitals, says, "Penn State's Campaign for Hershey has provided an opportunity for senior hospital managers to join their faculty colleagues and demonstrate, to the community at large, their commitment to the continued success of the Medical Center."

Dorothy Harris Bequest Creates Sports Psychology Endowments

An $80,000 bequest from longtime Penn State faculty member Dorothy V. Harris has established an endowment for the University Libraries and a lecture series in the College of Health and Human Development.

Harris, who died last year, was internationally recognized for her pioneering work in sport psychology and women in sport. She had been on the Penn State faculty since 1970.

The Dorothy Harris Libraries Endowment, created with a principal of $50,000, will be used to purchase and maintain books, periodicals and other materials related to sport psychology and exercise psychology. These will be added to Harris' personal collection, which she donated to the Libraries.

The Dorothy Harris Lecture series, endowed with the remaining $30,000, will support visiting lectures by eminent teachers and researchers in sports psychology. At Harris' request, preference will be given to a woman lecturer every other year, and to an international lecturer every fourth year.

"Through these endowments, Dot's contributions to sports psychology will live on, benefiting countless students in a field she helped to establish," said Karl G. Stoedefalke, professor of exercise and sport science and a close friend of Harris.

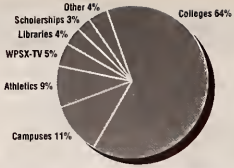
Associate Dean Gives $35,000 for Scholarships in Honor of His Wife

Dr. Stanley Mayers, Jr., associate dean for undergraduate studies and professor of health policy and administration in Penn State's College of Health and Human Development, has given $35,000 to establish a scholarship fund for undergraduate students named in honor of his late wife.

The Virginia L. Mayers Memorial Scholarship is to be used to recruit outstanding freshmen and to provide recognition and financial assistance to deserving and needy students in the college.

Virginia Mayers held a master's degree in microbiology and worked for many years for Merck, Sharpe, and Doehm Pharmaceutical Co. as a research associate before becoming a mother and homemaker. She died in 1990.

One scholarship will be awarded to a qualified incoming freshman of any major each year, and one shall be awarded to a student majoring in health policy and administration.



1990-91 Employee Gifts Totaling $919,301 Benefit Many Areas

How can I participate in the Faculty and Staff Campaign?

The 1991-92 Faculty and Staff Campaign is a University-wide effort. A number of faculty and staff have already contributed this year. If you have not contributed yet, please make your gift before June 30 to the area of your choice.

You may designate your gift to support:
- your college,
- your campus,
- your department or special project,
- the University Libraries,
- scholarship funds,
- University arts organizations,
- WPSX-TV, or
- any area where the need is greatest (unrestricted).

Can I make my gift through payroll deduction?

You can write a check, but the easiest way to give is though payroll deduction. Payroll deduction allows you to maximize your gift, because a little each month can add up to a gift with significant impact.

Below is a gift table showing how a monthly deduction can result in a sizeable gift.

Monthly Deduction	Annual Gift
$ 5	$ 60
10	120
15	180
20	240
25	300
50	600
100	1,200

Contributions may also be made with securities, property or deferred gifts. If you would like further information, please call the Office of Annual Giving.

What is the goal of the Faculty and Staff Campaign?

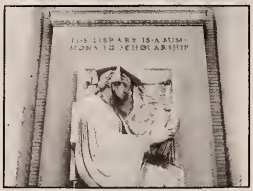
The goal is to increase the percentage of faculty and staff who currently provide financial support to University programs. Last year more than 3,000 Penn State employees gave nearly $1 million. Those gifts came from only 19 percent of Penn State employees. The most important thing is your participation—your participation at any dollar level—in this year's Faculty and Staff Campaign.

Are there areas of special need?

There are many areas of financial need at Penn State. If a specific college, campus or academic program has special meaning for you, you may choose to direct your gift to that area.

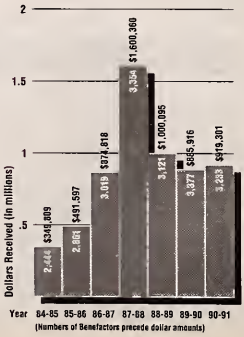
Or you may choose to designate your gift to an area that touches all academic areas of the University—the Penn State Libraries. The Libraries is a valuable resource for the entire Penn State Community. In fact, improvement of the University Libraries has been cited by President Thomas as the number one priority at Penn State.

Penn State's Libraries, a vast repository of knowledge and information, serves all who ask. The Libraries provides services that touch virtually everyone in the Penn State community, and that community has responded generously when the Libraries needs help. Last year faculty and staff members contributed $27,000 to the Penn State Libraries.



Your contribution can have a tremendous impact throughout the Libraries, especially when it is mingled with that of your colleagues and co-workers. Faculty and staff gifts help to purchase books, special collections, reference materials, access to technology, and increasingly expensive subscriptions to journals and periodicals.

History of Past Faculty and Staff Giving



What next?

In a few days, you will receive a packet of information containing a payroll deduction form, return envelope and telephone number for you to call if you have any questions. Please be aware that all gifts are confidential—there is no gift report returned to supervisors.

In the meantime, please consider your participation in the 1991-92 Faculty and Staff Campaign.

Who can I call with questions?

For further information, call or write Helen Brenneman or Barbara Sarra in the Office of Annual Giving, 17 Old Main, (814) 863-2052.

Focus on Research

Fertility research in cows has implications for human health

University researchers studying the fertility of cattle have isolated a protein secreted by the oviduct that could help correct problems of infertility in humans, as well as in cows.

Gary Killian, professor of reproductive physiology in the Department of Dairy and Animal Science, said the fluid found in the oviduct — the tube that serves as the passageway for eggs and the site of fertilization — contains a protein that binds to sperm, preparing them for the fertilization process. During in vitro experiments, sperm swam straighter, seemed more directed and remained alive longer when placed in a culture with this protein.

"This unique protein is secreted during the estrus cycle when the female is sexually receptive, usually near the time of ovulation. If we confirm preliminary findings that this protein actually regulates the motility and capacitation of sperm, it could hold positive results for the dairy industry and human health," Dr. Killian said.

"The oviduct environment is extremely important and we need to know more about it. Something is happening in the oviduct environment that is crucial to successful fertilization and embryo development."

The estrus-associated protein was isolated by doctoral student **Robin King** and is only one of several proteins, ions and lipids that comprise oviduct fluid. This particular protein also binds to the surface of eggs, but Penn State researchers are not yet sure of its full role in the fertilization process.

The animal scientist said the possibility exists for including this estrus-associated protein in semen used in artificial insemination for both animals and humans. The inclusion of this protein means the sperm would not have to depend on the fluid from the oviduct and its presence could boost the chances of sperm fertilizing an egg. In addition, the identification of this protein could lead to the creation of an antibody that would act as a contraceptive, preventing the protein from aiding sperm.

"The discovery of this estrus-associated protein could be particularly useful for the dairy industry because in order to produce milk, cows need to reproduce. Poor reproduction in a herd of dairy cows causes a decline in milk production and the result is a loss of money in an industry that is already hard hit," Dr. Killian said. "Anything that will increase the success of reproduction is worth investigating. This particular protein could be used to bind to embryo grown in vitro that will be implanted in surrogate cows, producing a herd with a greater capacity to give milk."

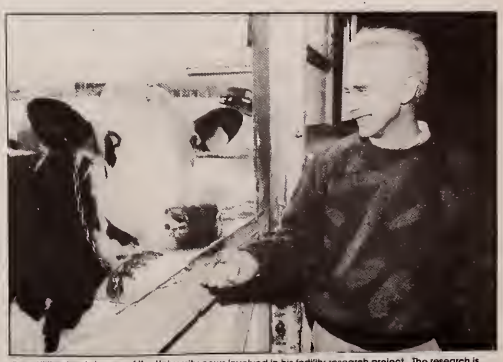
Dr. Killian's work is part of a three-year grant from the U.S. Department of Agriculture. In the past, fertility research in the cattle industry has had a significant impact on human health, particularly in the areas of artificial insemination, sperm and embryo cryopreservation, and infertility.

Although the protein has been isolated, Dr. Killian and his colleagues are now in the process of studying how this protein may modify the motility or other functions of the sperm. He is also investigating the composition of oviduct fluid from various sites in the oviduct.

"We are collecting oviduct fluid from cows through two catheters inserted in the oviduct that exit at the flank of the animal," Dr. Kilian explained. "One catheter is placed near the ovaries where fertilization occurs and the other is in the area closest to the uterus, which is a storage area for sperm."

The researcher said the fluids from both sites will be compared and analyzed to determine differences in composition and function.

– Lisa M. Rosellini



Gary Killian tends to one of the University cows involved in his fertility research project. The research is expected to increase the success of cattle reproduction, while helping to correct human infertility problems. (Photos by Greg Grieco)

LECTURES

march
april

Stephen B. Schwartz

IBM leader to discuss topic of quality

Stephen B. Schwartz, senior vice president, market-driven quality, International Business Machines Corp., will present the College of Engineering's 26th Honorary Engineering Lecture at 3:30 p.m. March 31 in the auditorium of Keller Conference Center at University Park.

Mr. Schwartz will discuss "Quality...Or Else!" in this lecture designed to introduce engineering students to individuals who have made notable contributions to the engineering profession. The lectures, initiated in 1966, are sponsored by the Penn State Engineering Society.

Mr. Schwartz joined IBM in 1957 after graduating from Northwestern University with a degree in industrial engineering. He has held a wide variety of sales, staff, development and general management positions within the company.

He was named vice president, Communications Systems and general manager of IBM, Kingston, NY in 1980. In 1981 he was appointed vice president, Asia Staff Operations for IBM World Trade Americas/Far East Corporation, and elected vice president of IBM in 1982.

In 1984 he took over as president and chief executive officer of Satellite Business Systems, and later that year became assistant group executive for telecommunications products, where he helped develop IBM's telecommunications strategy.

Named president of IBM's System Products Division in 1985, Mr. Schwartz helped solidify IBM's current mid-range strategy. In 1988 he was named a member of the IBM Corporate Management Board, and general manager, IBM Application Business Systems. He was named to his current position in April 1990.

1992 William Elliot Conference

Insurance industry to be focus of lectures

The solvency of the insurance industry will be the focus of the 1992 William Elliott Conference at University Park on Thursday, April 2.

Featured at this year's conference will be two lecturers: William R. Lucas, director of enforcement with the U.S. Securities and Exchange Commission, and Daphne D. Bartlett, president of Bartlett Concepts and past president of the Society of Actuaries

Mr. Lucas, who will speak at 9:45 a.m. in the Keller Conference Center Auditorium, will discuss the insurance business in the light of federal securities laws and provide perspectives on SEC enforcement actions involving insurers. Ms. Bartlett is expected to offer her thoughts on what has been learned from recent financial straits suffered in some sectors of the insurance industry. Her speech will be in Room 501 of the conference center.

The conference is one of the many programs supported by the William Elliott Chair, held by J.D. Hammond, dean of The Smeal College of Business Administration.

Public lecture on environmental movement

Ian L. McHarg, visiting professor of landscape architecture, will present a public lecture, "Green the Earth, Heal the Earth. Restore the Earth," at 8 p.m. Monday, April 6, in Schwab Auditorium at University Park

Dr. McHarg, professor emeritus in the University of Pennsylvania's Department of Landscape Architecture and Regional Planning, is the author of *Design with Nature*, a book credited with representing the dawn of the environmental age in the United States. Since its publication in 1969, Dr. McHarg has been credited with originating ecologically-sensitive design in landscape architecture.

During his lecture, Dr. McHarg will discuss the country's environmental movement and the status of the ecological world. He currently is working with the Environmental Protection Agency on a national and global inventory to determine the extent of the problems of global warming, pollution and climatic violence.

Dr. McHarg has served as a national environmental adviser under four administrations and has combined scientific knowledge with art to create ecological designs. In 1990 he received the National Medal of the Arts from President George Bush.

Dr. McHarg also will participate in a public forum at 8 p.m. April 30 in the Forum Building at University Park. Along with a panel of community leaders, he will discuss the challenges of continued growth in the State College area. Some of the issues to be addressed include the character of future growth in State College; how to accommodate ecological mandates during that growth; at what price does the area develop, and what citizens should be aware of during these years of growth.

Both lectures are open to the public.

For Information on the Russell Marker Lecture Series, see Page 20.

Chief of coal company to deliver Shoemaker Lecture

The chief executive of one of the nation's leading coal companies will deliver the inaugural lecture of the G. Albert Shoemaker Lecture Series in Mineral Engineering at University Park on Friday, April 3.

B.R. Brown, chairman of the board, president, and chief executive officer of Consol Inc. will speak on "The Quality Challenge" at 3:30 p.m. in 112 Walker Building.

B.R. Brown

Mr. Brown, who has been with Consol since 1977, also is president of Remington Arms Company, a Du Pont subsidiary, and heads Du Pont's Powder Metal and Metal Injection Molding businesses.

The lecture is the first in an annual series established by Mercedes G. Shoemaker to honor the memory of her husband, G. Albert Shoemaker, a Distinguished Alumnus, former trustee, and president of the Board of Trustees from 1970 to 1972. Most of Mr. Shoemaker's career was spent in the coal industry, much of it with the Consolidation Coal Company in Pittsburgh. He served as president of Consol from 1960 to 1966.

The Shoemaker Lectures in Mineral Engineering have been established to support presentations by outstanding leaders of the energy and mineral resource industries. The series is being administered by the Department of Mineral Engineering.

Highlight on Undergraduate Education

Alison Marshall of State College, a Penn State junior majoring in political science and art history, has been selected as a Harry S. Truman Scholar for 1991-92.

The Harry S. Truman Scholarship Foundation awards scholarships to college students who have outstanding leadership potential, plan to pursue careers in government or elsewhere in public service, and wish to attend graduate school to help prepare for their public service careers.

"We are very proud of Alison Marshall's achievement and the national recognition of her hard work and accomplishments," President Thomas said. "She represents this University very well and her scholarship will enhance her already strong leadership skills for the future."

A graduate of State College Area High School, Ms. Marshall co-founded the Sword of the Round Table Enterprises, which facilitates partnerships between businesses and charities to serve the public. She cultivated a partnership between the American Red Cross and SBS Bookstore, a downtown business, in the development of a textbook delivery service that included free advertising and a share of SBS' profits for the Red Cross.

"SRT was created out of a personal desire to help alleviate the pain and tragedy that poverty fosters in our society," notes Ms. Marshall, who is the vice president of SRT. "The money generated through SRT is committed to developing productive solutions to the society problems that poverty creates."

The Penn State junior is interested in pursuing a graduate degree in non-profit management and philanthropy at Case Western Reserve University. Her long-term goals include coordinating SRT and a non-profit group, Round Table Quest, in a national movement to develop partnerships between business and service sectors.

Other accomplishments include serving as a Red Cross volunteer and a youth basketball coach, assisting in the Pennsylvania Special Olympics, and serving on the Executive Council in her residence hall government. She also was active in the lobby for the Brady Bill involving handgun control legislation.

In addition, she is a member of the National Residence Hall Honorary and Golden Key Society and was named to the dean's list for six semesters.

Recipients will attend the Truman Scholars Leadership Week program in Missouri in late May. They will receive up to $3,000 for the senior year of undergraduate education and as much as $27,000 for graduate studies.

Parking garage construction project moving forward

Construction on the new Staff Parking Garage behind Eisenhower Auditorium, which began in early November, is forging ahead. Photographer Greg Grieco recently caught workers at the site reading over blueprint plans (above) and welding plates to the support beams that will hold the structure. The 821-space facility will provide parking to accommodate increasing faculty/staff demand during the day, and will supply parking for events in Eisenhower Auditorium during the evenings and on weekends. The structure, expected to be available in late August, also will house new office space for the Department of University Safety.

College of Education plans seminar on quality schools

An IBM senior vice president will the keynote speaker at a Penn State-organized seminar on helping prepare today's grade-school students to be more competitive workers in the future March 31 to April 1.

Stephen B. Schwartz, IBM senior vice president for market-driven quality, will make the keynote address for the two-day "Seminar on Total Quality Schools," 6:30 p.m. in the Atherton Hilton Hotel. His presentation is titled, "America in the Global Marketplace."

Dozens of business leaders and educators are expected to attend the seminar. It is sponsored by the College of Education, Hershey Foods, IBM, Rohm and Haas/Supelco and Penn State Continuing Education.

Other presenters will be Sharon Lambly, Hershey Foods Corp. vice president for human resources; Sheldon V. Whitaker Jr., State College Area School District superintendent; Harold W. Narigan, AMP Inc., Harrisburg; A Millcreek Township School District presentation team; and **William T. Hartman**, associate professor of education in the College of Education.

Carpoolers

Seeking transportation from the Sugar Valley/Lamar or Rebersburg area to University Park. Work hours are 8 a.m. to 4:30 p.m. Call Julia at (717) 725-3904.

Aaronsburg van pool has three openings. Work hours are 8 a.m. to 5 p.m. Call 863-1393.

College of Technology open house set for March 29

"Shaping Futures" is the theme for Pennsylvania College of Technology's Open House '92, set for Sunday, March 29, from noon to 4:30 p.m.

Open House will be celebrated on all four Penn College sites — the main campus in Williamsport, the Earth Science Center in Allenwood, the Aviation Center at the Williamsport-Lycoming County Airport in Montoursville, and the North Campus in Wellsboro.

Last year's Open House attracted a record number of 15,500 visitors. In addition to exhibits and hands-on activities, the day features games, giveaways, special prizes and food.

Open House is designed to highlight career opportunities in the advanced technologies and traditional career fields. Penn College offers over 70 associate degree programs, and beginning in the fall, will unveil its first baccalaureate degree programs.

Among the events at the main campus will be culinary demonstrations and nutrition displays by culinary arts and food and hospitality management students; an antique cars and student projects display by auto body technology students; an art exhibit by advertising art students; microwave satellite and fiber optic communications projects by electronic students, and a physics display and interactive seed dispersal demonstration by science students.

For more information on Open House '92, call 1-800-367-9222.

Awards

Council names five people as Honorary Alumni

The Alumni Council of the Alumni Association has selected five people to receive Honorary Alumni honors.

The Honorary Alumni Award was established in 1973 and honors people who, though not graduates of Penn State, have contributed toward the welfare, reputation or prestige of the University The award is given only when the Alumni Association wishes to honor outstanding individuals.

The recipients are:

● Frank S. and Nina Cobb of Philadelphia, members of the Mt. Nittany Society. Mr. Cobb is a retired president and former owner of the Process Machinery and Supply Company of Philadelphia. The Cobbs also are members of the 1991 President's Club and honorary life members of the Alumni Association. They have established the Frank S. and Nina Cobb Grant-in-Aid, the largest endowed scholarship in the College of Agriculture to benefit students.

● U.S. Congressman **John P. Murtha** of Johnstown, who represents the 12th District and is a strong advocate for Penn State research at the federal level. As a ninth-term representative, he has helped secure key federal research funds for a variety of projects, including the Agricultural Sciences and Industries Building at University Park and the artificial lung research project at the Milton S. Hershey Medical Center.

● **Sondra Stark Osler** of Wormleysburg, a founding member and former chair of the Penn State Harrisburg Board of Advisers. Mrs. Osler was a campaign leader for the Technology Center Campaign and was instrumental in planning the Campaign for Penn State Harrisburg.

● **Mary Ann Gilbert Snider** of Imler, a partner in the 1,100-acre Singing Brook Farms in Bedford County and a member of the Mt. Nittany Society. Mrs. Snider, along with her husband, Obie, former chair of the University's Board of Trustees, have supported agricultural and community affairs statewide and nationally. She has been active in fund raising for both the College of Agriculture and the Ag Arena, and the Campaign for Penn State.

Penn State Hotel and Restaurant Society

Lifetime Achievement award bestowed on former Hilton executive

A former executive with both the Hilton Corporation and the Waldorf-Astoria has been chosen to receive the first Lifetime Achievement Award from the Penn State Hotel and Restaurant Society.

Frank Wangeman is retired senior vice president and director of Hilton Hotels Corporation and retired vice chairman of the board and executive vice president and managing director of the Hotel Waldorf-Astoria Corporation.

The PSHRS is an alumni organization of Penn State's School of Hotel, Restaurant, and Recreation Management. Its Lifetime Achievement award recognizes prominent hospitality executives who have made significant contributions to the industry throughout their careers. Recipients of the award visit University Park to interact with students, faculty and alumni.

Mr. Wangeman joined the Hotel Waldorf-Astoria Corporation in 1934. Eight years later—at the age of 31—he became the operating manager of the Plaza Hotel for the Hilton Corporation. He was a founding member of the board of Hilton Hotels International and contributed to the start and development of various Hilton Hotels throughout the world.

A graduate of the Hotel School in Lausanne, Switzerland, Mr. Wangeman attended the Sorbonne, Paris, and the University of Zarogoza in Spain. He completed the Advanced Management Program of Harvard University and the Aspen Institute for Humanistic Studies, Aspen, Colo., and studied at Columbia University and the Graduate School of Business Administration of New York University.

Among the awards he has received are the American Jewish Committee Human Relations Award, the Scroll of Honor for philanthropic leadership from the United Jewish Appeal of Greater New York, the Oscar of the Waldorf Award from the Geneva Executives Club, and the Award for Distinguished Achievement from the New York University Hotel and Restaurant Society.

He received an honorary doctorate of science in business administration from Bryant College and has been decorated by the Emperor of Japan.

Teaching Fellow to be honored in April 5 ceremony

Larry D. Spence will be honored for excellence in teaching as the 1992 Penn State Teaching Fellow at the Awards Convocation, Sunday, April 5, in Eisenhower Auditorium at University Park.

The award is sponsored by the Penn State Alumni Association, the Undergraduate Student Government and the Graduate Student Association.

Dr. Spence, an associate professor of political science, was selected for the award by a committee of alumni, faculty and students for his creativity and imagination in the classroom and for his ability to encourage students in their intellectual growth. His colleagues and students write that he inspires hard work, dedication and idealism and that he challenges students to master critical analysis and clear expression.

"Most of my daily work has to do with getting students to write often, to take the time to carefully correct what they have written and then to keep them re-writing it until it is acceptable," Dr. Spence says. "I conduct my classes to get students to say what they know and to hear useful criticism." In addition, he regularly enrolls in courses in which he is a novice to re-experience the student perspective.

Since 1980, Dr. Spence has redesigned his Introduction to Political Theory and Ancient and Medieval Political Theory, Early American and 19th Century American Political Thought courses from lectures to writing intensive, discussion and practice formats. He has developed honors courses in political science and cross discipline courses in the Science Technology and Society program and in the Graduate Program in Policy Analysis.

He frequently supervises undergraduate research projects and was an early advocate for writing-across-the-curriculum and has helped superior students compete for national academic awards.

Dr. Spence received the Christian R. and Mary F. Lindback Award for Distinguished Undergraduate Teaching in 1986 and the College of the Liberal Arts Outstanding Faculty Advisor Award in 1983.

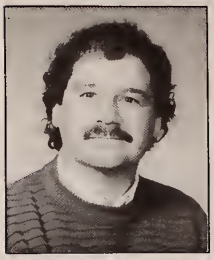
He received a bachelor's degree in English from the University of Louisville in 1961 and a master's degree and doctorate in political science from the University of California, Berkeley in 1965 and 1973, respectively. He joined Penn State as an assistant professor in 1970 and was named an associate professor in 1978. A visiting scholar at the Rodale Institute in 1989, he also served as political consultant to the magazine, *Regeneration*, published by the institute.

In addition to his teaching career at Penn State, Dr. Spence has been a reporter for the *Monterey Peninsula Herald*, Calif., and the Associated Press in Louisville, Ky., and was assistant chairman of the Department of Humanities at the San Francisco Art Institute.

Larry D. Spence

Awards

Professor of microbiology honored for excellence in teaching



Richard J. Frisque

Richard J. Frisque, associate professor of microbiology in the Eberly College of Science, is the recipient of the first Penn State Graduate Faculty Teaching Award for excellence in teaching at the graduate level.

The award will be presented during the Awards Convocation on Sunday, April 5, in Eisenhower Auditorium at University Park. Dr. Frisque was selected for the honor by members of the Graduate Council after a review of nominations from graduate students, faculty and staff.

"Such a prestigious award bestows deserved distinction on a member of our faculty who is widely known for his excellence in graduate education," said Dr. Robert Schlegel, professor and head of the Department of Molecular and Cell Biology. "In addition, it brings valued recognition of the importance our department places on providing students with superior opportunities for learning."

In nominating Dr. Frisque for the award, one colleague wrote that "pride in his students' progress and obvious enjoyment of their successes attests to his interest and concern." He added, "One characteristic that I particularly admire is his ability to find time to work in the laboratory along with the students where he is able to set an example and be on the scene to provide additional coaching."

A former student remarked that he was impressed by the concern Dr. Frisque showed for his students' welfare and academic development. "He strives to create an atmosphere in which the natural enthusiasm of the student is encouraged," he said. "His true skill is in understanding his students and motivating them to perform to their individual best."

Dr. Frisque joined the Penn State faculty in 1982. A specialist in viral pathogenicity and oncogenicity, his research focuses on the life cycle and molecular biology of JCV, a human virus known to infect nearly 70 percent of the adult population worldwide. The virus, which can lead to a fatal brain disease in certain individuals, also may have a role in causing some cancers.

While at Penn State, he has taught a wide range of courses in molecular and cell biology. In 1987, he helped to create and teach Tumor Viruses and Oncogenes, an upper-level course emphasizing advanced laboratory techniques and their application to the study of cancer. From 1989 to 1991, he was director of the Faculty of the Summer Symposium in Molecular Biology, an information and technology transfer program designed to establish collaborative research efforts among university scientists, public and private sector research institutions and industry.

Prior to joining the University faculty, Dr. Frisque was a tutor for minority medical students at the University of Wisconsin Medical School and a Postdoctoral Research Fellow at Cold Spring Harbor Laboratory.

He earned a bachelor's degree in medical microbiology in 1974 and a doctoral degree in tumor virology in 1978 at the University of Wisconsin. In 1990, his alma mater honored him with the University of Wisconsin, Rock County, Outstanding Alumnus award.

Professor emeritus of animal science is recipient of McKay Donkin Award

Thomas L. Merritt

Thomas L. Merritt, professor emeritus of animal science in the College of Agricultural Sciences, will receive the 1992 McKay Donkin Award at the Awards Convocation, Sunday, April 5, in Eisenhower Auditorium at University Park.

The award recognizes the full-time faculty, staff member or retiree who has contributed the most to the economic, physical, mental or social welfare of University faculty. It was established in 1969 in honor of the late McKay Donkin, who served as vice president for finance and treasurer of the university from 1957 to 1968.

Dr. Merritt joined the University faculty as an associate professor in 1960 and became a professor in 1973. He retired January 1, 1992, with emeritus rank.

"I doubt any other person has contributed more to the well-being of the faculty during the past five years," a colleague writes. "He is highly respected by his peers for his leadership ability, thoroughness, sincerity and loyalty to Penn State."

Dr. Merritt coordinated the horse and sheep programs in the Dairy and Animal Science Department, developing six new courses and teaching a total of 10 different courses during his career. He also developed five animal science short courses and chaired his department's undergraduate program committee, overseeing numerous program and curricular changes. He has taught more than 8,000 students.

During his 12-year tenure on the University Faculty Senate, he served as a member of the Faculty Advisory Committee to then President Bryce Jordan and chaired the Senate during the 1988-89 academic year. In 1989, he was selected by the Board of Trustees to chair the Presidential Search and Screening Committee. In 1990, President Thomas appointed Merritt to chair the Provost Search and Screening Committee.

He also chaired the Undergraduate Instruction Committee, the Committee on Faculty Affairs, the subcommittee that developed the University Scholars Program and the task force on the University Smoking Policy.

He twice served as chair of the Teaching Committee of the American Society of Animal Science, where his innovative programs for improving teaching were well received. Dr. Merritt has served as president of the Pennsylvania Quarter Horse Association and director of the American Quarter Horse Association for 11 years. He is a past president of Gamma Sigma Delta, the honor society of agriculture, and a recipient of the Gamma Sigma Delta Teaching Award.

Associate director's achievements noted

Richard Biancardi, associate director of the Applied Science Division in the Applied Research Lab, has been awarded the Navy Superior Civilian Service Award in recognition of his significant contributions as director of the Ship Silencing Office, Hull Engineering Group, in the Ship Design and Engineering Directorate, Commander Kenneth Malley of the Naval Sea Systems Command announced the award and commended Mr. Biancardi for his far-reaching contributions.

Because of his command of sonar processing and underwater acoustics disciplines, he provided critical technical assessments of noise signatures and silencing effectiveness. This ensured that need-based noise goals were developed for submarine and surface ship acquisition programs, as well as R&D programs.

Mr. Biancardi incorporated substantial acoustical performance improvements into the first-of-class SEAWOLF submarine. This included introduction of stringent noise reduction requirements for the propulsion plant design, while strongly supporting program schedule needs. In addition, during the emerging new SSN concept developmental studies, he took the lead in introducing a new hull-coating approach that combined many ship performance improvements into a single treatment.

Richard Biancardi

Private Giving

Restaurant chain commits $100,000 to School of Hotel, Restaurant and Recreation Management

Eat'n Park Restaurants has committed $100,000 for two projects in the School of Hotel, Restaurant and Recreation Management.

The Pittsburgh-based company designated $75,000 for the school's new home, the Mateer Building. The structure will house a dining room, production and research kitchens, classrooms, technology center, and hospitality information systems laboratory. Construction began last month and is scheduled for completion in summer of 1993.

Eat'n Park designated the remaining $25,000 to endow a guest lecture series in the school, which is one of the largest of its kind in the nation and enrolls about 800 students.

"The lecture series will feature persons of national prominence who have a special emphasis in the provision of service excellence," Stuart Mann, director of the school, said. "We are deeply grateful for Eat'n Park's generosity."

Eat'n Park operates 54 full-service family restaurants in Pennsylvania, Ohio and West Virginia. Its chairman and chief executive officer is James S. Broadhurst, a 1965 Penn State graduate.

The Mateer Building will cost about $6 million. The University has allocated about $2.1 million, and the remainder will come from private gifts. The school, which is part of the College of Health and Human Development, also plans to raise more than $1 million in private funds for equipment for the new facility.

Max Kade Foundation

German-American research institute to be established with $350,000 gift

The Max Kade Foundation has given $350,000 to establish a German-American research institute in the College of the Liberal Arts. The institute will be affiliated with the Department of Germanic Languages and Literature and will help to expand opportunities for research and teaching.

"Penn State is an appropriate setting for this institute because Pennsylvania has a rich heritage of German settlement and the largest population of German-Americans in the United States," **Susan Welch**, dean of the college, said. "In addition, the University already has unique resources that will complement the work of the institute."

As two examples, she pointed to the University Libraries' Allison-Shelley collection on Anglo-German literary and cultural relations — the nation's largest— and to faculty who have international reputations as specialists in such areas as German history and German philosophy.

"The institute will provide a focal point for current scholarship in German literature and language, culture, history, politics and related fields, and will allow us to launch initiatives that should bring national recognition to our program," **Frank Gentry**, head of the Department of German, said.

> "The institute will provide a focal point for current scholarship in German literature and language, culture, history, politics and related fields..."

Dr. Gentry said activities that the institute could undertake might include:

- supporting distinguished visiting scholars, who would do collaborative work with University faculty and students;
- providing assistance to graduate students in German-American literature or culture;
- sponsoring lectures and symposia;
- providing a meeting place and library resource base for faculty, students and visitors interested in German-American research; and
- awarding grants-in-aid to stimulate research.

The Max Kade German-American Institute will be located in Burrowes Building at the University Park Campus.

The New York-based Max Kade Foundation makes grants primarily to institutions of higher education. It was established in 1944 by Max Kade, a German who emigrated to the United States in 1905 and built a successful pharmaceutical company. Mr. Kade had a special interest in promoting better cultural relations between the United States and central Europe.

The foundation's gift will create an endowment to provide a permanent source of income for the institute.

Two scholarships created with funds

Priscilla Hunt Sandrus of Hollidaysburg, a 1931 graduate of Penn State in eduction, has committed $100,000 to create two scholarships at the University.

Her gift will establish the Harry J. Sandrus Memorial Scholarship to honor her late husband, a 1932 graduate of Penn State in chemistry. It also will establish the Priscilla Hunt Sandrus Scholarship in the College of Education.

"Many in my family are Penn State alumni, and I'm happy to be in a position to make this commitment to the University. I also know that one of the greatest needs these days is for scholarship aid for undergraduates," Mrs. Sandrus said.

She retired from teaching in 1968, after 32 years as an elementary school teacher in Pennsylvania. She and her husband met while both were students at Penn State, and she said that it was his request that she establish a scholarship fund at the University. She is the sister of Joe Hunt, professor emeritus of mining engineering, of State College.

The gift was made in the form of a charitable gift annuity, a contractual arrangement through which a benefactor may make a gift to the University and receive in return a guaranteed fixed income for life.

Appointments

Phillip E. Stebbins

Mary Anne van Arsdale

Dann E. Frazier

Roseann K. Sieminski

Phillip E. Stebbins, associate professor of history, has been appointed assistant dean for undergraduate studies in the College of the Liberal Arts.

Dr. Stebbins will be in charge of the course offering activities in the college and for controls on majors and courses. His responsibilities also will include admissions and enrollment management; diversity issues, and the writing across the curriculum program.

A faculty member since 1966, Dr. Stebbins regularly has taught courses in American civilization, constitutional history, and American studies, and directed a seminar on undergraduate instruction for graduate assistants in history.

He received an Outstanding Teacher Award from the College of the Liberal Arts in 1989 and Liberal Arts Dean's Special Commendations for Teaching in 1981 and 1983. He is the author of books on U.S. and Pennsylvania history, including *History of Law Enforcement and Correction in Pennsylvania* and *Pennsylvania and the Federal Constitution*.

In 1987 Dr. Stebbins spent a semester in Australia at the University of Melbourne as a USIA exchange scholar. He was a member of the Faculty Senate from 1980-1988, serving on the Senate Executive Council in 1983-84.

He was a member of the University Diversity Task Force in 1990 and has served on the University Disciplinary Policy Hearing and Appeals Boards since 1989. He has coordinated the internship program in the Department of History since 1985

He received his B.S. from the University of Wisconsin at Madison and a J.D. and Ph.D. from Ohio State University.

Mary Anne van Arsdale has been named director of the Penn State York Small Business Development Center at the York Campus. The center, located at the York Campus, serves York and Lancaster counties.

The center, funded by the state, federal government and a consortium of Pennsylvania universities, will offer consultation to the business community on planning, financial aid, exporting and other business related issues. The York Campus office is a satellite of the Small Business Development Center in Harrisburg.

As director of the center, Ms. van Arsdale does counseling and coordinates programs in procurement, exports, business planning, marketing and advertising. Prior to coming to Penn State York, she was the assistant director of the Small Business Development Center (SBDC) at Penn State Harrisburg and the director of the Elizabethtown Small Business Center.

In her role as a consultant to small business, Ms. van Arsdale has worked with manufacturing, service and retail businesses as well as with nonprofit agencies. A graduate of Glassboro State College in New Jersey, she holds a master's and a bachelor's degree in communication.

Several organizational changes have been announced by **Kenneth S. Babe**, corporate controller.

Donn E. Frazier, who has been serving as assistant controller, has been named deputy controller. In this position, he will assume responsibility for the functions of Financial Reporting, Property Inventory and Overhead Accounting, and EDP Systems.

Mr. Frazier will continue to oversee the operations of the Financial Officers' network at University Park and the Commonwealth Campuses, and will assume the responsibilities of the corporate controller in his absence.

Roseann K. Sieminski, who has been serving as bursar, has been appointed assistant controller and bursar. She will assume responsibility for Accounting Operations in addition to her current responsibilities for the offices of the Bursar, Student Loans and Scholarships, and Military Property.

Carla K. Rossi has been promoted to assume responsibility for financial statements, external audit coordination and taxes.

The Auditing function will continue to report directly to the corporate controller.

Patricia A. Book has been appointed associate vice president for program development for continuing education.

Dr. Book is responsible for the creation and coordination of a systematic continuing education program development process that extends the academic colleges through the use of all Continuing Education delivery systems—campuses, centers, instruction by media, independent learning and the conference center. To support expanded program development, she is overseeing the market research, program planning and marketing communications functions for Continuing Education delivery systems.

For the past four years, Dr. Book has been dean of the School of Career and Continuing Education at the University of Alaska Fairbanks. She has a wide range of experience in the continuing education field, having served as associate dean of the School of Career and Continuing Education and director of conferences and continuing education at the University of Alaska Fairbanks.

She earned her Ph.D. in anthropology, with an emphasis in medical anthropology, from the University of Connecticut in 1980 and her master of arts degree in cultural anthropology from the same institution in 1975. She did her undergraduate studies at Northern Michigan University, and Oakland University, where she received her bachelor of arts degree in anthropology in 1972.

In addition to her university administrative and teaching experience, she has an extensive applied research background and is the author of a number of books, journal articles and technical reports.

A member of Phi Beta Kappa, Dr. Book has received awards from the University of Alaska Fairbanks Black Awareness Student Union for her support of Black History Month programming; the state of Alaska for volunteer service, and the National University Continuing Education Association (NUCEA) for outstanding credit and noncredit programming in Region VII.

Carla K. Rassi

Patricia A. Book

Partings

CES secretary bows out

Wanda L. Gordon

Wanda L. Gordon, secretary in the Commonwealth Educational System, has retired after 23 years of service.

Ms. Gordon has been a secretary in the College of Health and Human Development and the Office of the Dean of Students.

She plans to spend time with her grandchildren, improve her golf game and take a Caribbean cruise during her retirement.

She and her husband, Paul, are residents of State College. Their daughter is a 1979 graduate of Penn State

Coordinator retires

Walter J. Hochberg

Walter J. Hochberg, coordinator of athletic training and instructor in health education, has retired after 32 years service.

He came to Penn State as the director of the physical therapy department at Ritenour Health Center and an athletic trainer in Intercollegiate Athletics. In 1977, he became the coordinator of sports medicine and the head trainer for the football team.

Mr. Hochberg plans to use his retirement to travel and keep fit. He and his wife, Dollie Anna, live in State College. Their son is a 1982 graduate of Penn State.

Retiring airport foreman there since 1962

Donald F. Wilkinson, foreman of airport operations and aircraft maintenance in Business Services, has retired after 29 years service.

Mr. Wilkinson worked for the State College Flying Service when the University took over the airport in 1962. He started as an aircraft and power plant mechanic and authorized aircraft inspector for the University. As foreman he supervised 13 service attendants and three maintenance men and was airport fire chief. He also served on the University Safety Council.

He looks forward to pursuing his cabinet making hobby and spending time with his six grandchildren during his retirement. As a certified pilot, he hopes to spend some time flying. He also will continue some aircraft maintenance and inspection.

He and his wife, Mabel, have been residents of Bellefonte for 30 years.

Donald F. Wilkinson

Margaret Wenrick

H&HD secretary departs

Margaret Wenrick, secretary in the College of Health and Human Development, has retired after 26 years service.

A native of State College, she came to the University in 1965 as a secretary in the nutrition department in the former College of Human Development. She has been a secretary for the college's human resources representative for the last 22 years.

Ms. Wenrick was responsible for processing personnel and benefit forms for all faculty, staff and clerical employees and graduate students. She also prepared the parking permits and the paperwork for personal and medical leaves. She took additional secretarial and management courses through Human Resources Development and was awarded her 25-year chair in 1990.

She and her husband, Larry, who recently retired from the State Correctional Institution at Rockview, have travel plans that include an upcoming trip to Costa Rica. They also plan to spend more time with their family: a daughter, son-in-law and granddaughter in Huntingdon; and their grandson, a student at the University of Pittsburgh School of Pharmacy.

Employees from various areas leave University service

Fred E. Knoffsinger, engineering aide in Research and Graduate School, has retired after 20 years service.

Mr. Knoffsinger came to the University as an electronics technician in the Materials Research Laboratory.

He looks forward to traveling and taking life easy during his retirement. He and his wife, Joan, are residents of Pleasant Gap. Mrs. Knoffsinger was a University employee for 30 years.

Isabell W. Moore, equipment and locker room attendant for Intercollegiate Athletics, has retired after 31 years service.

Mrs. Moore started as a painter and worked for Housing and Food Services in the dining halls before going to White Building Towel Room.

She looks forward to traveling across the country in her motor home and visiting her grandchildren in Texas and California. She and her husband, Merrill, are residents of Port Matilda.

Shirley J. Wegener, secretary in the Commonwealth Educational System, has retired after 22 years of service.

Ms. Wegener started as a clerk in Purchasing Services and later was a secretary in the College of Health and Human Development.

Her plans for retirement include visiting her daughter and grandchild in Texas, spending time with her three grandchildren in State College, and making handicraft decorations. She also will do free-lance transcription work.

Mrs. Wegener has been a resident of State College since 1949. Her son is a 1972 graduate of Penn State.

Alphonse J. Zimmerman, stock delivery clerk in Purchasing Services, has retired after 26 years of service.

At Penn State, he started as a night janitor and on the wax crew in the Office of Physical Plant. He later worked for Printing Services.

Mr. Zimmerman looks forward to spending long hours in his vegetable garden during his retirement. He also plans to visit his twin sons in Nashville, Tenn. He and his wife, Thursa, are residents of Spring Mills.

Penn State ranks high in executive education field

U.S. *News and World Report* rated the Penn State Executive Programs 11th in the United States and 13th worldwide in the magazine's first survey of the executive education field.

In results that echoed those in an recent *Business Week* poll of customer satisfaction, The Smeal College of Business Administration's executive development division ranked fourth among American public institutions of higher education.

The University of Michigan and Penn State were the only Big 10 schools included in U.S. *News'* "Top of the Line" list.

"We are pleased to be included in the company of the world's best," said **Albert A. Vicere**, assistant dean for executive education, referring to a ratings list that includes many internationally leading universities.

"We have worked very hard over the years to improve our offerings and our reputation in a toughly competitive field. Results like this are gratifying. We have set exacting goals for ourselves and this provides an excellent benchmark of our progress."

The U.S. *News* rankings are based on a reputational survey conducted among deans and directors at 60 worldwide, university-based executive-education programs.

Conducted this winter, the survey asked the experts to rate the reputation of various programs on a five-point scale, from marginal to distinguished. On this basis, Penn State earned 3.7, one-tenth below Dartmouth College and one-tenth above the London Business School and Cornell University, which were tied at 14th.

Topping the U.S. *News* poll was Harvard (rated 4.7), followed by Stanford and Northwestern, tied at second; the University of Michigan, fourth, and Massachusetts Institute of Technology, fifth.

The University of Pennsylvania, at sixth, was the only other Pennsylvania institution on the list.

The *Business Week* ratings of executive education, issued for the first time in October, were based on the customer satisfaction of program participants and of the business community. In results consistent with the *U.S. News* survey, Business Week said Penn State's executive development program was the 10th best in the nation, 11th worldwide.

Founded in 1956, the Penn State Executive Programs has served more than 10,000 clients with a broad array of two- and four-week programs. In 1990-91, more than 600 corporate leaders came to University Park from across the nation, the Pacific Rim, South America, the Middle East, Europe and the former Eastern Bloc.

Penn State also is known as a research leader in executive education, having helped found the International Consortium of Executive Development Research in 1991.

Faculty/Staff Alerts

Courses for faculty and staff

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

❒ **Basic English Grammar and Mechanics** This is a refresher course that focuses exclusively on such basic principles of grammar and mechanics as correct punctuation, spelling, and agreement. Meets for six sessions on Thursdays, beginning April 2 through May 7 from 9:30 a.m. to noon; cost: $75.

❒ **The One Minute Manager** Learn how to increase staff productivity and morale with three secrets crucial for dealing with any level management situation. Watch Ken Blanchard bring *The One Minute Manager* to life in a dynamic video presentation. Each participant will receive a softcover copy of the book. Meets on Friday, April 3, from 9 a.m. to 4 p.m.; cost $55.

❒ **Fine Tune Your "People Skills"** This series of programs focuses on interpersonal skills. It emphasizes communication abilities and works to improve those management skills by using an effective technique known as behavior modeling. Meets for eight sessions beginning April 8 through May 8; cost: $230.

❒ **Managing Cultural Diversity** Practice decision-making related to cultural diversity, and challenge and develop your managerial skills. Meets on Monday, April 13, from 9 a.m. to 4 p.m.; cost: none.

❒ **Dealing With The Problem Employee** Learn and practice skills that will help you work with "problem" employees. Meets on Wednesday, April 22, from 9 a.m. to 4 p.m.; cost: $55.

❒ **Employment Interviews** Designed to provide practical training and pointers to individuals who are called upon to interview applicants for employment vacancies. Meets on Wednesday, April 29, from 9 to 11:30 a.m.; cost: none.

❒ **Penn State Clerical Enrichment - Interviewing** Provides clerical employees with updated information and techniques for effective interviewing through improved communication skills. This class is for new and established employees. Meets on Wednesday, April 29, from 1 to 3 p.m.; cost: none.

Penn Staters

Leonard G. Austin, professor emeritus of fuels and mineral engineering, finished a 10-month appointment as visiting scientist with the Mineral and Process Engineering Division of the Commonwealth Scientific and Research Organization in Melbourne, Australia. He also recently spent a month advising on the establishment of a Powder Technology Center in Thailand and two months on a U.N. project in Chile involving research on the mineral processing of copper ores.

Mike Billet, senior scientist and head of the Fluid Dynamics Department, has been named a fellow of the American Society of Mechanical Engineers (ASME).

Jean-Marc Bollag, professor of soil microbiology, presented a paper, on "Enzyme-provoked Complex Formation of Chlorinated Anilines with Humic Substances," co-authored by **Kenji Tatsumi, Sergey Selifonov**, and **Shu-Yen Liu**, at the 1st IAWPRC International Symposium on Hazard Assessment and Control of Environmental Contaminants in Water in Otsu City, Japan.

Robert Collins, associate professor of physics, and **K. Vedam**, professor emeritus of physics in the Materials Research Laboratory, have been chosen to serve on the International Advisory Committee of the First International Conference on Spectroscopic Ellipsometry (ICSE '93) to be held in Paris, Jan. 11-14, 1993.

Laurence M. Demers, professor of pathology and medicine at Hershey, has been elected to the board of directors of the American Association of Clinical Chemistry.

Richard L. Gordon, professor of mineral economics, was one of four speakers at the keynote session of the annual meeting of the Society for Mining, Metallurgy, and Exploration, Inc. Dr. Gordon spoke on "The World-Wide Benefits of Free Market Energy in the Soviet Union and Eastern Europe."

Thomas A. Hale, professor of African, French and comparative literature, gave a series of lectures in the West African country of Mali. He spoke on the written and oral traditions of the Sahel at both the Ahmed Baba Center for Research and Documentation in Timbuktu and at the Ecole Normale Superieure in Bamako.

Elizabeth Hanley, assistant professor of exercise and sport science, has been re-elected to the Board of Trustees of the National Folk Organization of the United States of America.

Michael Kiernan, associate professor of English, has been elected to the Council of the Renaissance English Text Society for 1992-94.

Peter K. Rogan, assistant professor of pediatrics, at the Hershey Medical Center, presented "High-fidelity Polymerase Chain Reaction Amplification Products from Mummified South American Human Remains," at the First World Congress on Mummy Studies in Tenerife, Spain.

Vicki Williams, assistant director of Audio-Visual Services, has been elected president-elect of the Consortium of College and University Media Centers for 1992-93.

Stephen J. Wright, assistant director for academic affairs, Department of Independent Learning, has been elected chair of the Independent Study Division of the National University Continuing Education Association for a one-year term beginning in April 1993.

1992 Russell Marker Lectures

French math professor to speak March 30 - April 2

Jacques-Louis Lions, professor of mathematics at the College de France, will present the 1992 Russell Marker Lectures in the Mathematical Sciences March 30 through April 2 at University Park.

The four-lecture series, "Controllability of Distributed Systems," is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Controllability: Why and How in Mathematics, Engineering, and Environment," 8 p.m. Monday, March 30, 119 Osmond Laboratory; "Controllability for Time Reversible Systems," 4 p.m. Tuesday, March 31, 110 Wartik Laboratory; "Controllability, Time Irreversibility, and Chaos," 4 p.m. Wednesday, April 1, 110 Wartik Laboratory, and "Sentinels," 10 a.m. Thursday, April 2, 8 Mueller Laboratory.

Dr. Lions, whose influence on modern applied mathematics is pervasive, is one of the foremost developers of the modern theories of partial differential equations, systems analysis, control theory, and numerical analysis. He has worked on many applications of mathematics in areas ranging from mechanics and robotics to space travel, the construction of space stations, and global climate change. His scientific vision and high standards have set the direction for an entire generation of applied mathematicians.

In 1991, Dr. Lions, who in France is an Officer of the Legion of Honor and a Commander of the National Order of Merit, was honored with the Japan Prize, the Harvey Prize, and Greece's Daedalon Gold Medal for Science and Technology. He has won several awards from the French Academy of Sciences for his accomplishments, including the Prix Cognacq Jay, and was the recipient of the John Von Neumann Prize in 1986. In addition, he has received a total of 10 honorary doctoral degrees from universities throughout the world.

A founding member of the Academy Europea, he is president of France's National Center of Space Studies, the Scientific Council of Electricite de France, the Scientific Council of Pechiney, and the International Mathematical Union. He is a member of numerous professional societies and academies, including the French Academy of Sciences, the American Academy of Arts and Sciences, the Academie Internationale d'Astronautique, the Pontifical Academy of Sciences (Vatican), and the U.S.S.R. Academy of Sciences.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy and astrophysics, the chemical sciences, evolutionary biology, genetic engineering, and the physical sciences.

Joques-Louis Lions

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, April 2. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **April 2.**

***10267, Coordinator, Night Pharmacy Services, (Shift 11 p.m. -7 a.m.) —** Responsible to the manager, Pharmacy Services, for the effective and efficient operation of Pharmacy Services during the night shift to include compounding and dispensing of medications and the maintenance of appropriate records. Requires a bachelor of science in pharmacy, plus 2-3 years of effective hospital experience. Pennsylvania registration in pharmacy or eligibility required. STAFF EXEMPT, GRADE 7.

***10283, Psychiatric Social Worker II, Department of Geriatric Psychiatry —** Responsible to the unit director, Department of Psychiatry, for provision of the psychiatric social work services within the unit and serves as part of the mental health team in providing counseling for mentally and emotionally disturbed patients and their families. Requires a master's of social work degree from an accredited college or university or equivalent and at least 1-2 years of effective experience. STAFF EXEMPT, GRADE 6

***10285, Recreational Therapist, Department of Nursing/Psychiatry —** Responsible to the chief, Psychiatric Inpatient Unit, for the organization and conduct of a therapeutic recreational program in the unit to facilitate and complement the total psychotherapeutic treatment program for patients with emotional disorders. Requires a bachelor's degree in recreational therapy or equivalency plus 1-2 years of effective experience. STAFF EXEMPT, GRADE 6.

***10281, Senior Substance Abuse Counselor, Department of Psychiatry —** Responsible to the clinical director and medical director of program for coordination and delivery of program services. Also responsible for assisting in organizing, planning, implementing and evaluating treatment services including individual, group, and family therapies and interaction with various community agencies. Requires a master's degree in social work or psychology, or a registered nurse with Pennsylvania licensure and 3-4 years effective experience. Certified addictions counselor (C.A.C.) credentials required. STAFF EXEMPT, GRADE 7.

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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INTERCOM

April 2, 1992 Volume 21, Number 27

Four receive Atherton Award for teaching excellence

Four faculty members will receive the George W. Atherton Award for Excellence in Teaching at the Awards Convocation Sunday, April 5, in Eisenhower Auditorium at University Park.

Established in 1989, the Atherton Award recognizes teaching excellence at the undergraduate level. Of the four awards given, two will go to faculty members from Commonwealth Campuses.

The recipients are Douglas R. Marme, associate professor of theatre arts at University Park; Andrew G. Stephenson, professor of biology at University Park; William G. Engelbret, assistant professor of accounting at the Altoona Campus; and Robert Black, associate professor of biology at the Delaware County Campus.

They join the winners of the new Eisenhower Award for Teaching, who are announced on page 8.

Professor Marme joined the faculty in 1980 and has taught introductory and advanced courses in theater costume design and construction. A former artist-in-residence at Cornell University, he has costume designs produced for the Utah Shakespeare Festival, Marriott's Lincolnshire Theatre in Chicago and Ford's Theatre in Washington, D.C.

One colleague wrote of him, "Unlike many artist-teachers, he allows his students to develop their own artistic personalities, rather than becoming clones of their instructor." A former student added, "The salient qualities that make Douglas a great teacher are imagination, breadth of knowledge, perception, sensitivity to others, versatility and sense of humor."

Of his teaching philosophy, he said, "In design courses, I regard the student as a 'pre-professional,' never as a dabbler or one who is playing or experimenting."

A University faculty member since 1978, Dr. Stephenson is internationally recognized for his research on the ecology and evolution of plant reproduction, and he is well known on campus as a teacher at all levels in the

See 'Atherton awards' on Page 3

Douglas R. Marme

Andrew G. Stephenson

William G. Engelbret

Robert Black

College of Engineering gets high marks from *U.S. News*

The College of Engineering ranked 11th among public schools and 15th nationally in the annual U.S. News and World Report Survey of America's Best Graduate Schools.

"We are delighted to have Penn State's graduate engineering program recognized as one of the best in the nation," Carl H. Wolgemuth, acting dean of the college, said.

"The continually increasing corporate support for our research programs and the private sector's energetic recruitment of our graduate students are additional reflections of the caliber of Penn State's College of Engineering."

MIT headed the survey list, followed by Stanford University, the University of Illinois at Urbana-Champaign, the University of California at Berkeley and Purdue University.

The engineering schools were ranked using two reputational surveys, as well as statistical data that measure important educational attributes of postgraduate education student selectivity, faculty resources and research activity and funding.

The survey appears in the March 23 issue.

Oswald Lecture in Higher Education

David Mathews, president and chief executive officer of the Charles F. Kettering Foundation, speaks to students following presentation of the 1992 John W. Oswald Lecture in Higher Education at University Park.

Focus on Diversity

African Heritage Studies Association

Penn State hosting annual conference through April 5

Some of the nation's top African studies scholars and activists will visit University Park to participate in the 24th Annual Conference of the African Heritage Studies Association hosted by Penn State today through Sunday, April 5.

Speakers will include Molefi Asante, professor and chair of the Department of African American Studies at Temple University; Leonard Jeffries Jr., chair of the Black Studies Department at City College of New York; John Henrik Clarke, AHSA founding president and Hunter College professor emeritus;

James Turner, professor of African American studies at Cornell University; Barbara Sizemore, professor of African American studies and education at the University of Pittsburgh, and Maulana Karenga, director of the Black studies program at California State University Long Beach.

"The theme of this year's conference is 'Taking Control of the African Community: Focus on Leadership,'" said **LaVerne Gyant**, Penn State interim director of Black studies and a conference organizer "The sessions will explore leadership and self-determination within the African World Community."

More than 200 people from around the world are expected to attend the conference, which is sponsored by the Black Studies Program.

"This may be the only time this year so many outstanding scholars and activists in African studies will be assembled in one place," Dr. Gyant said.

Lesbian, gay and bisexual equity committee seeks nominations for membership

The Committee on Lesbian, Gay, and Bisexual Equity, Office of the Vice Provost, is seeking nominations for membership. In particular, nominations, including self-nominations from individuals whose cultural, racial, or ethnic background would enrich the understanding of the needs and concerns of gay, lesbian, and bisexual individuals, are requested.

The Committee serves as an advisory group to the vice provost on matters affecting the climate for gay, lesbian, and bisexual members of the Penn State community.

Its purpose is to enhance a positive working and living environment for all members of the University community regardless of sexual orientation, but is especially concerned with policies and structures which negatively impact on lesbian, gay, and bisexual people. The committee's membership includes representation from all employee classifications as well as graduate and undergraduate students. Members are appointed by the vice provost to serve three-year terms.

Nomination forms must be returned to the Committee office, 313 Grange Building, no later than 5 p.m. April 6, 1992. Nomination forms may be obtained at the Committee office from 9 a.m. to 5 p.m. Monday through Friday.

One-day women's workshop at Schuylkill

The New Option program at the Penn State Schuylkill Campus, the Schuylkill County Commission for Women and the Rape Crisis Center of Schuylkill County are sponsoring a one-day workshop, "Opening Doors: It's Time for Me," Saturday, April 25, at the campus.

"Last year the county women's commission found, as a result of their survey about the needs of Schuylkill County women, the one overriding concern focused on economic issues," said **Danielle P. Richards**, personal and career counselor at Schuylkill Campus, and one of the commission's founding members.

"This workshop targeting underemployed women — women working in jobs paying near minimum wage, where opportunities for advancement or additional training or education are virtually non-existent — is our attempt to address this need."

The free workshop will feature sessions on self esteem; workforce trends; resume writing; interview and job placement skills; career testing; and decision making and risk taking.

For information on the workshop, contact the New Options office at Penn State Schuylkill Campus (717) 385-6104.

Jackie R. Esposito

Archivist named chair-elect of women's council

Jackie R. Esposito, assistant university archivist for records management, has been elected chair-elect of the Coordinating Council of Professional Women at Penn State. She will assume the position of chair on July 1, succeeding **Barbara K. Kennedy**.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group, which welcomes attendance by both female and male persons in all job and student classifications at the University, currently is accepting applications for leadership positions on its Coordinating Council.

Applicants are needed to replace five members whose two-year terms expire in June. It is hoped that individuals from a variety of cultural, educational, and ethnic backgrounds will apply to serve on the Council.

Applications must be submitted by May 11. For more information and to receive a brochure and application form, contact Ms. Esposito, C107 Pattee Library, University Park, telephone 865-7931.

Diversity Opportunities ❦ Calendar

Monday, April 6
Office of Student Activities and Religious Affairs, 7:30 p.m., Paul Robeson Cultural Center. Eighth Annual Martin Luther King Jr. Memorial Lecture by San Francisco Pastor, Activist and Educator Amos C. Brown.

Tuesday, April 7
Paul Robeson Cultural Center, noon to 12:50 p.m., Paul Robeson Cultural Center Auditorium. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Paul Robeson Cultural Center, 7 to 8:30 p.m., Paul Robeson Cultural Center. "Innervisions" film and discussion presentation titled, "In the White Man's Image: Native American People's Resistance to being 'Made-Over' to be 'Good Indian.'"

Residence Life, 7:30 p.m., North-Warnock Cultural Lounge. Free screening of film, "Gender, The Enduring Paradox."

Wednesday, April 8
Center for Women Students, noon to 1 p.m., 120 Boucke Building. Brown Bag Lunch Series presentation titled, "Lesbian Culture: Identifying our Pluralism."

Penn State New Kensington, 7:30 p.m., Forum Theater. Jazz/Showchoir Festival featuring performances by local jazz artists and showchoirs from nearby schools.

Equal Opportunity Planning Committee and the Department of Human Development and Family Studies, 8 p.m., HUB Assembly Room. Presentation titled, "Birth of a Notion: Toward Black Gay and Lesbian Imagery in Film and Video," by Michelle Parkerson, poet, film and video producer/director.

Thursday, April 9
Center for Minority Staff Development, 3:30 to 5 p.m., 319 Rider Building. Workshop titled, "Coping Strategies for Working in a Predominantly White Environment," by Beverly Ladrido.

Through Friday, April 10
Penn State Great Valley, 9 a.m. to 5 p.m., Penn State Great Valley. Photographic exhibit titled, "Native Americans: Preserving the Past, Creating a Future," by Susan E. Stein.

Saturday, April 11
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Workshop titled, "External Funding Roundtable," by Baiba Briedis, coordinator of grants and contracts in the College of Liberal Arts. Attendance is limited to those who participated in a previous External Funding Workshop. For more information, contact Leah Witzig at 863-1663.

Focus on Diversity

Civil rights activist, pastor and educator Amos C. Brown will be the featured speaker for Penn State's Eighth Annual Martin Luther King Memorial Lecture April 6.

Rev. Brown, pastor of Third Baptist Church, possibly the most powerful church in San Francisco, will speak at 7:30 p.m. in the Paul Robeson Cultural Center at University Park. The event will mark the 24th anniversary of King's assassination, which occurred on April 4, 1968.

A native of Jackson, Mississippi, Rev. Brown has been a civil rights activist since he was first arrested at age 14 for insisting that a paramedic address an old Black man as "sir" and not "boy." He later assisted murdered civil rights leader Medgar Evers with registering Black voters and became an acquaintance of Rev. Dr. Martin Luther King Jr.

As an educator, he founded one of the most successful discipline alternative schools in the nation in St. Paul, Minn., as a result of his concern that African/Black Americans were often unfairly sent to reform schools. He also has served on the Board of Governors of the San Francisco Community College for six years.

Last year, Rev. Brown served as a witness before the U.S. Senate Judiciary Committee against the nomination of Supreme Justice Clarence Thomas to the Supreme Court as chair of the Civil Rights committee of the National Baptist Convention USA Inc.

Vice provost speaks to Board of Trustees

Initiatives to enhance teaching are moving forward

In the past five years, the University has recognized and rewarded more than 300 faculty members for their teaching excellence—a tangible tribute to instruction at its finest.

In a recent report to the Board of Trustees, Gregory Knight, vice provost and dean for Undergraduate Education, outlined several Penn State initiatives aimed at elevating the art and science of instruction.

"These awards are not given lightly, but with great care and forethought," Dr. Knight said. "They are only one of the many ways the University honors teachers who are truly inspiring and who reflect this institution's commitment to quality education."

Aside from the numerous awards presented annually, Dr. Knight also pointed to programs being implemented to assist teachers in providing an enhanced academic atmosphere. They include:

- The College of Agricultural Sciences' establishment of a learning center to provide computer, video and audio cassette players, and printed materials to students.
- The College of Earth and Mineral Sciences Center for Advanced Undergraduate Studies and Experience (CAUSE).
- The College of Education's Instructional Excellence Project to help teaching assistants and junior faculty enhance their teaching.
- The College of Engineering's establishment of a center focused primarily on providing resources to faculty who develop new teaching and learning methods.
- The College of Health and Human Development's formation of a committee comprised of previous recipients of the College Teaching Award. Committee members, with the help of staff from the Instructional Development Program (IDP), will plan and implement a program to improve teaching.
- The College of Science's institution of a lecture series that features speakers from other institutions that have done rigorous experiments on the process of science education.

Dr. Knight noted that funding is available through several sources to assist colleges and campuses in financing the development of new teaching initiatives. In fact, in 1991 the $12,000 Fund for the Improvement of Undergraduate Instruction received 221 proposals requesting a total of $138,135 for improving course components.

"Fortunately we were able to supplement this program with the newly-established Penn State Fund for Undergraduate Education," Dr. Knight said. "Some 154 proposals were approved for a total of $75,514."

In addition, 12 full-course proposals for the $12,000 United Federal Bank Endowment for The Enhancement of Undergrad Instruction were funded at a cost of $37,056 with additional funds from the Penn State Fund for Undergraduate Education.

"The number of requests in these categories is a very positive indication of the commitment of the University and its faculty to teaching," he said.

Other initiatives aimed at promoting instruction include the increased use by colleges of the Student Ratings of Teacher Effectiveness, and the implementation of several surveys seeking fresh input on faculty performance and course content from recent graduates.

> ***"Research and teaching...are inseparable components of scholarship"***
> **-- Gregory Knight**

The IDP continues to be an important resource for pedagogical enhancement, offering a wide range of activities for seasoned teaching professionals and beginning instructors, according to Dr. Knight. Faculty development workshops and thorough reviews of undergraduate programs to identify the need for changes also reaffirm the University's commitment to quality education, he said.

"We are eliminating the notion that universities are preoccupied with research," Dr. Knight said. "Research must go hand in hand with teaching. They are inseparable components of scholarship."

Atherton awards

Continued from Page 1

biology undergraduate curriculum.

A colleague said, "His secret of success is his thorough understanding of the material presented and his unabashed enthusiasm and passion for biology." A former student wrote, "Professor Stephenson obviously loves what he is teaching and his enthusiasm is contagious."

From 1985 to 1989, Dr. Stephenson was associate editor of Evolution, the journal of The Society for the Study of Evolution. In 1990, he presented the distinguished lecture series at The Linnaeus Institute for Systematic Botany at the University of Uppsala, Sweden.

Dr. Stephenson said of his teaching philosophy: "The greatest gift a teacher can give students is the ability to understand and solve problems for themselves. Thinking is a bit like exercising a muscle. If your head doesn't hurt sometimes, you haven't been exercising your grey matter enough."

Dr. Engelbret, a former accountant with Price Waterhouse in Pittsburgh, has taught at the University since 1977.

He is a four-time winner of the Award for Outstanding Teaching, presented by the Altoona Campus Student Government Association. In 1991, he received the Grace D. Long Faculty Excellence Award. His teaching contributions include developing a video course with accompanying textbook in introductory financial accounting.

A colleague noted, "Bill spends on average more than eight hours a day, six days a week in his office or in the classroom teaching, reviewing, advising and in general serving the needs of his students." A former student wrote, "As a lecturer, Dr. Engelbret is outstanding. There are no clock watchers in his class."

Of his teaching philosophy, Dr. Engelbret said, "Many people are never told that they can choose their own lives. I tell my students they can. I also tell them that, if they do not choose, others will choose for them."

Dr. Black, a former food technologist with General Foods Corp., has taught at the Delaware County Campus for 22 years, twice serving as chair of the campus faculty senate. His research focuses on the biochemistry and physiology of plant growth regulators.

A colleague wrote, "He teaches science to a diverse student population: majors and non-majors, adults and traditional students. He effectively reaches them all."

A student noted, "I have enjoyed six courses with Dr. Black and find his lectures consistently fascinating and flawless, with technical material so clearly related that even average students such as myself can achieve great things."

Dr. Black said of his teaching philosophy: "Science at its most fundamental and interesting level is an approach to gaining an understanding of nature, not just a body of facts to be memorized. I emphasize the mastery of concepts and the ability to apply knowledge and logic to the solving of problems."

LECTURES april

Producer/director of sports films to give series of presentations

Bud Greenspan, a leading producer of sports films and the official filmmaker of the Olympics, will visit University Park April 14-15 to give a series of presentations.

Bud Greenspan

Mr. Greenspan wrote, directed, and produced two official films of the Olympics and has received three Emmy Awards and cable television's ACE award. He has been called one of the world's leading sports historians.

He and his associate, Nancy Beffa, will give four multi-media presentations, each of which will include Olympic video clips as well as anecdotes from their experiences. The following talks are free to the public:

- "The Humanity of the Olympics: A Prologue," 9:30 a.m. Tuesday, April 14, HUB Ballroom.
- "The Humanity of the Olympics: Technological Innovations," 1 p.m. Tuesday, April 14, HUB Assembly Room.
- "The Humanity of the Olympics: The Athlete at Center Stage," 7 p.m. Tuesday, April 14, Kern Auditorium.
- "The Humanity of the Olympics: The Deeper Meaning of the Festival," 1 p.m. Wednesday, April 15, Green Room, Eisenhower Auditorium.

Mr. Greenspan and his late wife, Cappy, won two Emmy Awards for their television series, "The Olympiad." He also received an Emmy for "Winter Olympic Vignettes," which covered the 1980 Lake Placid Olympics, and he received cable television's ACE award for "The Golden Age of Sport," an HBO special highlighting legendary sports heroes from the 1920s.

In recognition of his contribution to the Olympic movement, he was awarded the "Olympic Order" by President Juan Antonio Samaranch and the International Olympic Committee in 1985. He is one of only 12 Americans to receive the award.

His visit is co-sponsored by the Department of Exercise and Sport Science, in the College of Health and Human Development, and by the School of Communications.

Dotterer Lecture

Oxford professor to speak on religion

Richard G. Swinburne, Nolloth Professor of the Philosophy of the Christian Religion, University of Oxford, will discuss "God and Time" as the 22nd Annual Dotterer Lecturer at 8 p.m. April 10, in the Assembly Room of the Nittany Lion Inn at University Park.

Professor Swinburne's books include *Space and Time, The Coherence of Theism, The Existence of God*, and *Faith and Reason*. His latest books, *Responsibility and Atonement* and *Revelation*, are the first two volumes of a projected tetralogy on the Philosophy of Christian Doctrine. He also has published numerous articles in metaphysics, the philosophy of religion, and the philosophy of science.

Prior to the lecture three students will receive awards. **Kim Kita** and **Paul Rosen** will receive the Shibley Prize for excellence in philosophical studies and **Gary Mullen** will receive the Dotterer Prize for excellence in philosophical studies.

Pockrass Lecture

U.S. representative to discuss elections

Rep. Al Swift, (D-Wash.), chairman of the House Subcommittee on Elections, will discuss "Television and the 1992 Elections" at 8 p.m. tonight in the Carnegie Cinema at University Park. The talk is open to the public.

The congressman was invited by the faculty of the School of Communications to present The Robert M. Pockrass Memorial Lecture. The annual lecture on critical issues in mass media and public opinion was endowed by the family, friends and former students of the late Robert M. Pockrass, a longtime journalism professor at Penn State.

Rep. Swift is a senior member of the Energy and Commerce Committee, and according to Broadcasting magazine, the "most active and informed member on communications matters." Prior to his election to the House of Representatives in 1978, he worked as a television news and public affairs director in Bellingham, Wash.

In his committee post, he has taken a special interest in the impact of television on the democratic process and has not always seen eye to eye with the broadcasting industry. In 1985, he won pledges from the three major television networks not to project election outcomes while the polls are still open.

Rep. Swift has introduced or backed legislation that would reduce the cost of campaigns through public financing and requiring discounts in broadcast advertising rates for candidates. He also has proposed mechanisms to discourage negative political commercials and has been highly critical of media coverage of government.

Final speaker set for April 10 Colloquium Lecture Series in Classical Rhetoric

Susan C. Jarratt, associate professor of English and director of college composition at Miami University of Ohio, will be the ninth and final participant in the Speech Communication Colloquium Lecture Series in Classical Rhetoric.

She will present "Topoi and Gender: A Feminist Reading of Aristotle's Logical Proofs" at 4:30 p.m. Friday, April 10, in Room 207 Chambers Building at University Park.

Prior to joining the Miami faculty, Dr. Jarratt was an instructor at the University of Texas at Austin and served for six years as a secondary English teacher in San Antonio.

A specialist in ancient Greek rhetorical theory, she has written and lectured extensively on the sophists and has sought to integrate sophistic philosophies and modern feminist theory. She is the author of *Rereading the Sophists: Classical Rhetoric Refigured*, published in 1991 by the Southern Illinois University Press.

The three-year lecture series in Classical Rhetoric was sponsored by the Speech Communication Department with help from the departments of Classics, English, History and Philosophy; the Associate Dean for Undergraduate Studies in the College of the Liberal Arts, and the Institute for the Arts and Humanistic Studies.

Other participants have included George A. Kennedy, William M. A. Grilmaldi, S.J., and William Fortenbaugh (in Classics), and Lloyd Bitzer, Michael Leff, Donovan Ochs, Edward Schiappa, and John Poulakos (in Speech).

Susan C. Jarratt

Media influence on the lives of youth

ABC director to discuss teen programming at conference

Ame Simon, director of ABC television's "After School Specials," will be the keynote speaker at a University Park conference focusing on the media's effects on early adolescents.

She will discuss "Teen Programming: Pulling the Marshmallows Out of the Lucky Charms," at the opening session of the conference, titled "Are the Kids Alright?," to be held in the Keller Conference Center, April 9 to 11.

The event will bring together prominent scholars, researchers and industry representatives in an effort to understand the meanings, effects and uses of media in the lives of youngsters, according to **Brian Winston**, dean of the School of Communications and chairman of a multidisciplinary media group. The conference is aimed at middle-school teachers of music, media, related communication issues and others interested in issues of early adolescence.

"The sociological and cultural aspects of the media were fairly hostile to each other until a few years ago when they became aware of each other's values and approaches," Dean Winston said.

"This is the first time an international group of scholars from both traditions have met to discuss specific segments of the population and how they use all media, and the first time that people with an interest in sub-teens, who have not been studied much, are discussing that age group and the media."

The media group and conference are the results of a project known as PRIDE (Policy, Research and Intervention for the Development of Early Adolescence). The two-year project is funded by the Carnegie Corporation of New York. PRIDE is University-wide and is designed to address issues facing young people ages 10 to 15.

"The three major objectives are to advance research, to influence state policy, and to improve media and other programs to benefit young adolescents. The overall goals are to create new knowledge about early adolescence and to guide future research, policy and programs," Dean Winston explained.

The conference is a continuing education program of PRIDE, the Center for the Study of Child and Adolescent Development and the College of Health and Human Development. It is co-sponsored by the School of Communications, the College of Health and Human Development, the Graduate School, the College of Agricultural Sciences and the International Studies Program.

University faculty members who will be speaking include **Jerome Williams**, assistant professor of marketing, and **Anne Petersen**, former dean of the College of Health and Human Development and currently vice president for research and dean of the Graduate School at the University of Minnesota.

For more information about the program's content, contact **Bea Mandel** or **Michael Ludwig**, at (814) 863-7594 or (814) 863-0435. For registration information, call **Jack Sinclair** at (814) 863-2035.

Second Annual Career Day expected to attract 2,000 students

College and university students looking for full-time jobs and internship positions with employers in Pennsylvania will find many opportunities at the second annual Pennsylvania Career Day on Thursday, April 9, at University Park.

The 1992 Pennsylvania Career Day is expected to attract more than 2,000 students from Pennsylvania colleges and universities representing all academic disciplines and career fields. Employers will have the chance to discuss current full-time and part-time openings, summer jobs and internship opportunities and, in effect, will be able to promote themselves to a large population of potential employees.

Scheduled from 10 a.m. to 4 p.m., the events will be held at the Intramural Building located at the intersection of University Drive and Curtin Road, one block west of Beaver Stadium.

In addition to Penn State, co-sponsors are the commonwealth of Pennsylvania, the Pennsylvania Chamber of Business and Industry, the Pennsylvania Manufacturers' Association and the Hospital Association of Pennsylvania. Admission and parking are free to students and no pre-registration is necessary. Food services also will be available on site.

More than 130 employers representing large and small businesses, corporations, government agencies, chain stores, and hospitals are expected to participate this year. Many employers are looking for students from a variety of majors.

Promotions

Staff Exempt

Charles E. Carter, to assistant manager, Golf Shop in Penn State Bookstore.
Iris Ceccarelli, to senior data base programmer in Computer and Information Systems-Management Services.
Denise F. Eckley, to banquet and catering supervisor in Nittany Lion Inn.
Patricia S. Gainer, to library assistant II at Behrend.
Wayne M. Gearhart, to environmental systems engineering assistant in Office of Physical Plant.
Patricia L. Maines, to accountant in Corporate Controller's Office.
Theresa K. Majzlik, to assistant director of Computer and Information Systems at Penn State Harrisburg.
Dennis J. Schenck, to senior technical specialist (economic development) in Research and Graduate School.
Paul D. Shan, to senior microcomputer systems consultant in C&IS—Center for Academic Computing.
Russell A. Sodergren, to production coordinator in Computer and Information Systems—Management Services.
Joel S. Steel, to senior project associate in Agricultural Sciences.
Sharee L. Usko, to assistant manager, Housing Services in Housing and Food Services.
Richard M. Villastrigo, to art editor in Development and University Relations.
Deborah J. Watson, to assistant manager, Housing Services in Housing and Food Services.
Betsy L. Wiser, to admission counselor, II in Undergraduate Programs.

Staff Nonexempt

Lizabeth M. Bohlen, to research technician at Hershey.
Susan L. King, to administrative aide in Office of the President.
Babette S. McCurdy, to respiratory therapist at Hershey.
Ellen M. Mullady, to research technician at Hershey.
Barbara A. Romano, to paralegal in Research and Graduate School.
Patricia A. Schock, to mental health program aide at Hershey.

Clerical

Beverly I. Bell, to secretary A at Hershey.
Cynthia K. Bowersox, to conference secretary in Continuing Education.
Diane L. Bucha, to secretary B in Engineering.
Frances A. Clouser, to secretary A in Office of Business Services.
Tammy E. Davis, to clerk B in Corporate Controller's Office.
Diana H. Feltenberger, to clerk, records A in Research and Graduate School.
Margaret M. Frye, to senior office secretary at Hershey.
Linda M. Gelnett, to clerk typist A at DuBois Campus.
Joyce Hoffman, to secretary in Business Administration.
Diane L. Maggs, to secretary C in Science.
Orpha M. Matjasic, to secretary A at Hershey.
Frank G. Scheirer, to clerk, periodicals A in University Libraries.
Janet R. Shimmel, to accounting clerk in Corporate Controller's Office.
Jo A. Taylor, to secretary A at Hershey.
Patricia A. Veith-Conboy, to clerk, receptionist A at Behrend College.
Christine M. Walker, to secretary A in Nittany Lion Inn.
Sally M. Walters, to senior clerk periodicals in University Libraries.
Tracy A. Wilson, to secretary B in Engineering.

Technical Service

Michael E. Boonie, to environmental systems technician in Office of Physical Plant.
Bryan W. Brubaker, to plumber-fitter in Office of Physical Plant.
Donald R. Ishler, to equipment operator (construction) in Office of Physical Plant.
Robert A. Jones, to audio-visual driver-dispatcher in Continuing Education.
Yong H. Oh, to utility worker at Hershey.
Donald C. Robertson, to maintenance worker-utility at DuBois.
Paul K. Saupp, to plumber-fitter in Office of Physical Plant.
Robert M. Speraw, to linen handler at Hershey.
Donna B. Trout, to receiving clerk at Hershey.
Harold W. Weil, to senior clerk, patient inquiry at Hershey.

Focus on the arts

Odyssey on WPSU

The role of women in medieval French poetry — and the historical reality behind it — are discussed on the next episode of Odyssey Through Literature, "Reynard the Rapist."

Kenneth Varty of the University of Glasgow uses the beast fables of Reynard the Fox to introduce host Leonard Rubinstein to the fiction and reality of women's status in the age of Courtly Love. Discussing the political meanings of rape in one of the Reynard fables in which the Fox rapes the Wolf's wife, he says, "Even though we know he's wrong in what he is doing, his wrong is against a greater wrong — a David against the Goliath, where David is a bit naughty."

Odyssey through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM

The arts on Channel 3

Part two of "Orchestra," a five-part series designed to bring the sound, excitement and magic of orchestral music to life for today's family, airs at 10 p.m. Thursday, April 2, on WPSX-TV.

Led by Dudley Moore, a classical musician in his own right, and Sir Georg Solti, the series combines wit and humor, classical music history and virtuoso musicianship. Mixing entertainment with information, the programs bring familiarity with the different orchestral sections while also moving chronologically through the different eras of classical music.

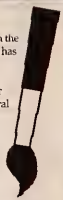
British author Samuel Richardson's one-million word *Clarissa*, written in 1747-48, has been boiled down to three, 60-minute episodes for public television.

Co-adaptors David Nokes and Janet Barron, both specialists in 18th century English literature, "have burrowed beneath the novel's wordiness," a British critic wrote, "laid bare the central drama—the love-hate relationship between Clarissa Harlowe, virtuous daughter of an acquisitive family, and Robert Lovelace, the lordly libertine who courts, abducts and finally rapes her."

Starring newcomer Saskia Wickham as the heroine and Sean Bean as Lovelace, Clarissa airs at 9 p.m. Sundays, beginning April 5 on Masterpiece Theatre. The series also stars Diana Quick and Cathryn Harrison.

HUB exhibit

Irene Pesin, a Moscow native, will have her paintings exhibited between April 4 and April 26 at the Hetzel Union Building's Browsing Gallery at University Park.



Ms. Pesin has studied both in the United States and in Russia, and has had studios under several noteworthy Russian artists, particularly Rudolf Rogosin. Her work has been exhibited in several countries through personal and group exhibitions over the past 10 years.

The topics of her work have changed from concentration on single objects to include humans.

"Humans and objects can be used as a symbol to describe certain feelings, social problems and everyday life," she said. In order to accentuate her work, she uses the earth as a texture to reflect the unity of art, nature and reality.

Chinese brush paintings and lecture

An exhibition of traditional-style Chinese brush paintings by Edna Raphael titled "The Koolau Mountains," will be in Pattee Library's East Corridor Gallery April 10 through May 20, 1992. In addition to the gallery display, Ms. Raphael will present a lecture on the exhibition, Friday, May 8, at 7:30 p.m. in Pattee Library's Tower Room, C401.

The Koolau Mountains extend along the east coast of the island of Oahu in Hawaii and are the remains of volcanos predominant in the formation of the island. Battered by tradewinds and almost daily storms, the windward slopes of the range are eroded into steep cliffs, which "dazzle the eye."

Ms. Raphael, an associate professor of sociology and labor studies, retired from Penn State in 1980. Her work has been exhibited in a number of shows in Chicago, Illinois, and Santa Fe, New Mexico and her first local exhibit, a one-person show, was held at the Boalsburg Heritage Museum in 1990.

Scholastic Art exhibit

The Scholastic Art exhibit, featuring the annual winning art work for 7-12th grade students in 21 counties of Pennsylvania, is on exhibit until April 19 at the Hetzel Union Building's Art Alley Panels at University Park.

The "Gold Key" winners will be entered into a national competition of student work. The art work is judged in two specific age categories; grades 7-9 and grades 10 through 12. Local participating school districts include Bellefonte, State College, Penns Valley, Indian Valley, Lewistown and Huntingdon.

Child's Play

Child's Play Touring Theatre of Chicago will perform "Write On, Centre County" at 3 p.m. Sunday, April 12, in Eisenhower Auditorium at University Park. Part of the Wide-Eyed Wonders series, the show will premiere three to five skits based on stories, poems and essays written by Centre County children.

Fostering children's creative abilities is the mission of Child's Play. The group of professional actors and musicians only performs original works written by children. More than 180 children from Centre County and surrounding areas submitted manuscripts to Child's Play earlier this year.

The Wide-Eyed Wonders series, which is sponsored by People's National Bank of State College, is especially designed for children in kindergarten through grade six.

Tickets are $5 for adults; $3 for children. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Poet to read works

Shahid Agha Ali, poet and translator, will conclude the Writers Reading Series at 8 p.m. Monday, April 13, in 101 Kern Building at University Park.

Shahid Aga Ali, who received his master's and doctoral degrees from Penn State, is the author of four books of poetry and translation: *The Half-Inch Himalayas* (Wesleyan, 1987), *A Walk Through the Yellow Pages* (Sun/Gemini, 1987), *A Nostalgist's Map of America* (Norton, 1991) and *The Rebel's Silhouette: poems of Faiz Ahmed Faiz* (Peregine-Smith, 1991).

His reading is sponsored by the Department of English.

Bach's Lunch

Seven students from the voice studio of Suzanne Roy, faculty member in the School of Music, will perform in concert at 12:10 p.m. Thursday, April 16, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

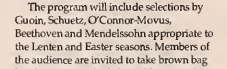
The program will include selections by Guoin, Schuetz, O'Connor-Movus, Beethoven and Mendelssohn appropriate to the Lenten and Easter seasons. Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Trombone Festival

The School of Music will host the third annual Fruhling Posaunen (Spring Trombones) at 8 p.m. Thursday, April 16, in the School of Music Recital Hall at University Park.

The program will feature performances by the Ithaca College Trombone Troupe, directed by Mark L. Lusk

The High School Honors Trombone Ensemble, comprised of students from Region III of the Pennsylvania Music Educators Association and directed by John Marcellus of the Eastman School of Music, will open the program.



The grand finale will have the three trombone choirs and the tuba-euphonium ensemble joining to perform selections from Gustav Mahler's Resurrection Symphony No. 2, as arranged by Jeff Parker.

The concert is free to the public.

'Peer Gynt'

The University Resident Theatre Company will present "Peer Gyant," by Henrik Ibsen, in the Playhouse Theatre at University Park. The show will open at 8 p.m. Friday, April 17, and run through Saturday, April 25.

Spanning 50 years and five continents, Ibsen's play depicts the journey of Peer Gynt, a high-spirited rogue who wanders the earth in self-gratifying solitude. Director Carole Brandt, head of the Department of Theatre Arts, edited the show from its original length of nearly six hours to two-and-one-half hours.

Evening performances begin at 8 p.m. Matinee performances are at 2 p.m. Saturday, April 18, and Saturday, April 25. Student previews are at 8 p.m. Wednesday, April 15, and Thursday, April 16.

Tickets for Friday and Saturday evenings are $8 for adults; $5.50 for students. Tickets for weeknights and matinees are $7 for adults; $4.50 for students. Student preview performances are $3.50 with a valid student I.D. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Organ concert

Organists James Moeser and Susan Dickerson will perform in concert at 8 p.m. Monday, April 20, at Grace Lutheran Church in State College. The program will include works by Bach, Roger-Ducasse, Dupre, Widor, Dandrieu and Simon Preston.

Dr. Moeser is dean of the College of Arts and Architecture and is the national president of the American Guild of Organists. Ms. Dickerson has been a member of the music faculty since 1987, and currently is a member of the National Council of the American Guild of Organists. Grace Lutheran Church is at the corner of South Garner Street and Beaver Avenue. The concert is free to the public.

Guild show

The Central Pennsylvania Guild of Craftsmen will present its annual show April 27 to May 24 at the Hetzel Union Building's Art Alley Cases at University Park.

The show will include multimedia

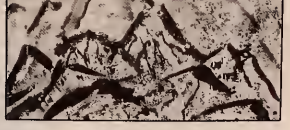
See 'Arts' on Page 10

University Park Calendar

September 12-22

Special Events

Thursday, April 2
Bach's Lunch, 12:10 p.m., Eisenhower Aud. Penn State Horn Ensemble.
Talk, 8 p.m., Carnegie Cinema. Rep. Al Swift, chairman of the House Subcommittee on Elections, on "Television and the 1992 Elections."
Friday, April 3
AAUW book sale, Hetzel Union Building, through April 9.
Geog. Coffee Hour, 4 p.m., 319 Walker. Keith Harries, Univ. of Maryland, on "The Geography of Violence in America." Refreshments, 3:30 p.m.
Saturday, April 4
Shaver's Creek, 1-3 p.m., Bluebird Box Workshop. Call 863-2000.
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Yefim Bronfman, piano.
Sunday, April 5
School of Music, 2 p.m., Recital Hall. Lisa O. Bontrager, horn.
Shaver's Creek, 2-4 p.m., Low Impact Lawn Care. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Thriller/Daughter Rite (both 1979); 8:30 p.m., Gun Crazy aka Deadly Is The Female (1949), Carnegie Cinema. Free.
Monday, April 6
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Terry Peavler on "Gerard Genette's Missing Point of View." Refreshments provided.
School of Music, 8 p.m., Recital Hall. Jazz II and III.
Tuesday, April 7
■ Cont. Ed. Scholars Forum, 3:30 p.m., 312 Keller Conf. Center. Donald A. Gognat on "International Continuing Education."
Art History Lecture Series, 8 p.m., 112 Walker. Peter Jemison, Ganondagan State Historic Site, on "Voices of Conscience." Reception following in lobby.
Wednesday, April 8
Center for the Women Students, Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Boucke. Susan Ohlidahl on "Lesbian Culture: Identifying Our Pluralism."
Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., HUB Assembly Room Michelle Parkerson on "Birth of a Notion: Toward Black Gay and Lesbian Imagery in Film and Video."
School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.
Thursday, April 9
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Mallet Ensemble.
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Dance Brazil."
Friday, April 10
Geog. Coffee Hour, 4 p.m., 319 Walker. Eric Feige, West Point Military Academy, on "Geography Instruction at the U.S. Military Academy." Refreshments, 3:30 p.m.
Shaver's Creek, 7-9 p.m., Voices in the Night. Call 863-2000.
22nd Annual Dotterer Lecture, 8 p.m., Assembly Room, Nittany Lion Inn. Richard G. Swinburne, Univ. of Oxford, on "God and Time."
School of Music, 8 p.m., Schwab Aud. Penn State Concert Choir/Chamber Singers.
Saturday, April 11
External Funding Roundtable. Reservations, Leah Witzig, 863-1663 by April 8.
Shaver's Creek, 8-11 a.m., Pledge-A-Bird. Call 863-2000.
School of Music, 8 p.m., Eisenhower Aud. Penn State Symphonic Band.



An exhibition of traditional-style Chinese brush paintings by Edna Raphael (above) titled "The Kooloo Mountains," is on display in Pattee Library's East Corridor Gallery April 10 through May 20. Ms. Raphael will also present a lecture on Friday, May 8.

School of Visual Arts, 8 p.m., Keller. Graphic Design Film Follies.
Sunday, April 12
Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Write on Centre County."
Shaver's Creek, 2-4 p.m., Weather Wonders. Call 863-2000.
School of Music, 2 p.m., Recital Hall. Women's Chorus. Also 4 p.m., The Castalia Trio.
Carnegie Hall Film Series, 7 p.m., The Big Knife (1955); 9 p.m., The Big Combo (1955). Free.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays

Conferences

Continuing Education
Keller Building
April 3-4. Children's Literature Matters. Dan Hade, chair; Donna Ricketts, coordinator.
April 3-4.
Pennsylvania High School Speech League. Jerri Milsom, coordinator.
Saturday, April 4
Leaders of the Future. Glen McMillén, chair; Jerri Milsom, coordinator.
April 5-8.
Supercomputing by University People for Education and Research. Jeffery Almoney, chair; Jerri Milsom, coordinator.
April 7-8.
Visible Emissions Training Program. Robert Heinsohn, chair; Bill Sterner, coordinator.
April 7-9.
Maintenance of Commercial Vehicles-Phase B. Eric Loop, coordinator.
April 7-10.
Bioreactors for Cell Cultures. Jerri Milsom, coordinator.
Thursday, April 9.
Sports Medicine Clinic. Frank Rocco, chair; Kathy Karchner, coordinator.
April 9.
Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
April 9-10.
An Integrated Hypnotherapeutic Approach to Sexual Trauma. Bill Sterner, coordinator.
April 9-11.
Early Adolescence and the Media. Bea Mandel, chair; Jack Sinclair, coordinator.
Friday, April 10.
R. Hadly Waters Logistics Transportation Symposium. Robert Novack, chair; Chuck Herd, coordinator.
April 10-11.
Football Coaches Clinic. Frank Rocco, chair; Kathy Karchner, coordinator.
April 12-17.
U.S. Health Services—Dutch Students. Marshall Raffel, chair; Bill Sterner, coordinator.

Seminars

Thursday, April 2
Physics Colloquium, 3:30 p.m., 55 Osmond. Gerald D. Mahan, Univ. of Tennessee.
Biology, 4 p.m., 8 Mueller Lab. James Marden, Colgate Univ., on "Causes and Consequences of Variation in Insect Flight Performance."
Computer Science Colloquium, 4 p.m., 325 Whitmore. Elke A. Rundensteiner, Univ. of Calif. at Irvine, on "Object-Oriented Views: A Novel Approach for Tool Integration in Design Environments."
Gerontology Colloquium, 4-5 p.m., 106 Mitchell. Bob Knight, Univ. of Southern Calif., on "Psychotherapy with Older Adults: A Maturity Specific Challenge Model."
Friday, April 3
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Deithard Bohme, York Univ., on "Reactions Initiated by Atomic Silicon Ions: Implications for Circumstellar Chemistry."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Jerzy Dec, Institute for Plant Protection, Poznan, Poland, on "Binding to Humus and Polymerization as a Means for Detoxification of Xenobiotics."
Tuesday, April 7
Inorganic-Organic, 12:15 p.m., 55 Osmond. Archel Ambrosio on "Photozymes."
Population Issues Research Center, 12:30-1:45 p.m., 204 Keller. Duane F. Alwin, Univ. of Mich., on "Aging, Cohorts, and Social Change: An Examination of the Recreational-Persistence Model."
Geosciences Colloquium, 4 p.m., 112 Walker. Joel Levine, NASA-Langley (ESSC), on "Biomass Burning: A Driver For Global Change."
Biology/Biotech., 4 p.m., 8 Mueller. Sarah Hake, Univ. of Calif., Berkeley.
Wednesday, April 8
■ Slavic Center Luncheon seminar, noon, 12 Sparks. Krzysztof Jasiewicz, Polish Academy of Sciences, Washington and Lee Univ., Lexington, Va., on "Polish Politics in the Aftermath of the 1991 Elections."
Thursday, April 9
Math/Physics Colloquium, 3:30 p.m., 55 Osmond. T. Spencer, Los Alamos National Lab, on "Chaos in Hamiltonian Systems."
Biology, 4 p.m., 8 Mueller. James Nitao, Mich. State Univ., on "Physiological Adaptations of Herbivores to Plant Chemistry."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Tomasz Letowski on "High Frequency Testing and Presbycusis."
Pennsylvania Transportation Institute, 2 p.m., PTI Conference Room, Research Office Building. Gorman Gilbert, professor of civil engineering at North Carolina State University will speak on "New York City Taxi Medallions and Public Policy."
Friday, April 10
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Bin Chen.
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences & Industries. Sydna Salihu on "Use of Cover Crops to Reduce Nitrogen and Herbicide Input "
Speech Communication Colloquium, 4:30-6 p.m., 207 Chambers. Susan C. Jarrat, Miami Univ. of Ohio, on "Topoi and Gender: A Feminist Reading of Aristotle's Logical Proofs."

Exhibits

Chambers Gallery
"Undergraduate Photography and Ceramics," through April 24.
Hetzel Union Art Galleries:
Formal Gallery:
■ Portraits of Contemporary Mexican Artists, through May 3.
Art Alley Cases and Art Alley Panels:
Scholastic Art, through April 19
Browsing Gallery:
Irene Pesin, through April 26.
Kern Galleries
"Fiber Art," Leagh Anderson, through April 30.
"Southwestern Jewelry", Denise Ariew, through May 4
"Raku," Nancy Ziegenfus-McIntosh, April 6-May 17.
Pattee Library
Main Lobby:
"Coal Collection Treasures from the Historical

Awards

Will be honored during Academic Awards Convocation

Two named recipients of Eisenhower teaching award

Two faculty members will receive the Milton S. Eisenhower Award for Teaching during the Academic Awards Convocation Sunday, April 5, in Eisenhower Auditorium at University Park.

Robert E. Burkholder, associate professor of English, and **Louis Inserra**, professor of architecture, will receive the awards, which are given in recognition of outstanding teaching.

Dr. Burkholder joined the faculty as an assistant professor at the Wilkes-Barre Campus in 1980 and was promoted to associate professor at University Park in 1986. In 1982-83, he served as director of academic affairs at the Wilkes-Barre Campus and, from 1989-1991, he was the director of composition programs in the English Department.

He earned a bachelor of arts degree in English at Washington College in Chestertown, Md., and his master of arts and doctorate in American literature at the University of South Carolina in Columbia, S.C.

"Professor Burkholder has compiled a distinguished record as a teacher of undergraduates in basic composition courses, general education courses, advanced courses for majors, and specialized honors seminars," according to a nomination letter from a colleague.

He is co-author of *Emerson: An Annotated Secondary Bibliography, Critical Essays on Ralph Waldo Emerson* and editor of *Critical Essays on Herman Melville's 'Benito Cereno.* Currently he is editing a volume in the Harvard University Press edition of The Collected Works of Ralph Waldo Emerson and is writing a monograph on the history of Emerson criticism.

Former students laud Dr. Burkholder "as possibly the best teacher I've ever had" and also stress his dedication to students. "It is my firm belief that the hallmark of a truly dedicated teacher is his or her performance out of the classroom, and that is where he particularly shines," one graduate says.

Professor Inserra joined the faculty on a part-time basis in 1960. The following year, he was appointed to the teaching faculty in the Department of Architecture. He has held a variety of positions over the years and, since 1989, has been the studio master and third-year program coordinator.

He earned a bachelor of arts degree in architecture at Penn State and a master of architecture degree at Yale University.

A practicing architect, he was the architect for the front addition of the Schlow Memorial Library in State College. In addition to his professional work, American architecture from Thomas Jefferson to Robert Venturi is another scholarly pursuit.

One colleague says the teaching award to Professor Inserra "will be long overdue but well deserved appreciation for a life devoted to education."

"His students, who have graduated from Penn State and have gone on to distinguish themselves as professional architects, look back to his mentorship as being the highlight of their undergraduate instruction at Penn State," writes another colleague.

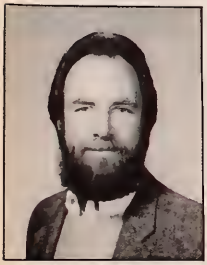
"He puts in a full day's work teaching in design studio, meeting with his students and his advisers and most notable, fighting for the very best interests of our undergraduate students at faculty meetings," the nominator adds.

Robert E. Burkholder

Louis Inserra

Associate professor earns 1992 Excellence in Advising Award

Christopher L. Johnstone, associate professor of speech communication, will receive the 1992 Excellence in Advising Award at the University Awards Convocation Sunday, April 5, in Eisenhower Auditorium at University Park.



Christopher L. Johnstone

The award honors full-time faculty for excellence in general advising, academic and career guidance and assistance in helping students set goals and make academic and career decisions. It was established by the Undergraduate Student Government Academic Assembly and is sponsored by the academic colleges.

"Academic and career advising is an integral part of the educational experience," Dr. Johnstone said. "It allows students to relate their academic work to their life plans and to work toward their goals."

A student wrote that Dr. Johnstone goes beyond what is expected: "He looks at me as an individual and suggests ways to enrich my education."

Dr. Johnstone received Penn State's Division of Counseling Services and Program Assessment's Outstanding Service Award in 1989.

He began his Penn State career as an assistant professor at the Delaware County Campus in 1975 where he taught speech communication courses, conducted workshops and advised students in the Colleges of Business Administration, Human Development and the Liberal Arts. He received the Director's Award for Outstanding Teaching in 1979.

In 1982 he was named associate professor and joined the University Park faculty in 1983. He teaches classes in rhetorical theory, rhetorical criticism and communication ethics, among others; advises students in the Department of Speech Communication, and has been the departmental honors advisor since 1987.

His research interests include classical and contemporary rhetorical theory and criticism, with particular emphasis on the ethical dimensions of rhetoric. He has received research grants from the Institute of the Arts and Humanistic Studies and the John Dewey Foundation, and was the 1988 recipient of the Eastern Communication Association Past Presidents' Award for Outstanding Scholarship.

Active on department, college and University committees, he served as director of the Penn State Education Abroad Spring Semester in Athens in 1991. In addition, he has served as chair of the Speech Communication Association Commission on Communication Ethics and on numerous other committees of that association and the Eastern Communication Association.

Dr. Johnstone received a bachelor's degree in rhetoric from the University of California at Davis with a minor in philosophy in 1969 and master's degree and doctorate in communication arts from the University of Wisconsin in 1972 and 1976, respectively.

Appointments

Arthur E. Humphrey

Arthur E. Humphrey has been named to head the Biotechnology Institute beginning July 1. He replaces **Jean Brenchley** who stepped down to resume research and teaching.

Dr. Humphrey's responsibilities will be to direct the operation of Biotechnology Institute as one of Penn State's Intercollege Research Programs. He will continue the Institute's strong focus on plant biotechnology, which ranges from research in plant biochemistry and molecular biology to plant development and bioprocessing, and expand and promote interdisciplinary graduate and faculty opportunities.

Dr. Humphrey has been director of the Center for Molecular Bioscience and Biotechnology at Lehigh University since 1986. He was provost and vice president for academic affairs at Lehigh from 1980 to 1986.

Previously, Dr. Humphrey was dean, School of Engineering and Applied Science, University of Pennsylvania, from 1972 to 1980 and director, School of Chemical Engineering at Penn, from 1962 to 1972.

He joined Penn in 1953 as an assistant professor, was promoted to associate professor in 1958 and professor in 1963. He was an adjunct professor from 1980 to 1984. He holds the position of professor at Lehigh and will be a professor in the Department of Chemical Engineering at Penn State.

Dr. Humphrey received a B.S. and M.S. in chemical engineering from the University of Idaho in 1948 and 1950, respectively. He received a Ph.D. in Chemical Engineering from Columbia University in 1953 and an M.S. in Food Technology from the Massachusetts Institute of Technology in 1960.

He is a member of the National Academy of Engineering, a Founding Fellow of the American Institute of Medical and Biological Engineers and a Fellow of the American Institute of Chemical Engineers. In 1971 he received the Food, Pharmaceutical and Bioengineering Award and in 1972 the Professional Progress Award from A.I.Ch.E.

In 1983 he was named an Eminent Living Chemical Engineer by A.I.Ch.E. He received the James M. Van Lanen Distinguished Service Award from the American Chemical Society in 1979 and the Thom Annual Award from the Society of Industrial Microbiology in 1983.

Henry Giroux, currently distinguished professor of educational leadership at Miami University of Ohio, has been named the first holder of the Waterbury Endowed Chair in Secondary Education in the College of Education.

Dr. Giroux, who will join the faculty this fall, is internationally recognized for his work in the areas of curriculum theory, sociology of education, cultural studies, and the application of critical theory to education.

Three of his books, *Schooling and the Struggle for Public Life*, *Teachers as Intellectuals and Education Under Siege* (co-authored with Stanley Aronowitz), have been named by the American Education Studies Association as the most significant books in education for the years 1989, 1988 and 1986, respectively.

His most recent books include *Postmodern Education* (1991) and *Border Crossings*, which was released early this year.

Dr. Giroux has received other numerous awards and honors, including Junior Faculty Research Award, Distinguished Scholar Award, and the Renown Scholar Award, all from Miami University of Ohio; the Visiting Distinguished Professor Award at the University of Missouri, and Visiting Distinguished Professor at the University of San Francisco.

He is widely published at the international level, with papers, chapters, and books, and serves on many editorial boards. He is the co-editor (with Roger Simon) of the University of Minnesota Press book series, *Pedagogy, Representations, and Cultural Studies*. He also co-edits with Paulo Freire a book series with Bergin and Garvey Press titled, *Critical Studies in Education and Culture*.

Dr. Giroux earned his doctorate in 1977 in curriculum theory, sociology of education, and history from Carnegie-Mellon University.

The Waterbury Endowed Chair in Secondary Education was established in 1989 by Kenneth Waterbury, a 1927 alumnus of the College of Education, to both enhance students' education experiences and to increase Penn State's national visibility as a premier professional College of Education.

Bookshelf

Michele V. Ronnick, assistant professor of classics, is the author of *Cicero's Paradoxa Stoicorum*, published by Peter Lang, Frankfurt am Main, Germany.

The book represents the author's examination of the nature of the Paradoxa Stoicorum, the shortest of Marcus Tullius Cicero's extant philosophical works, and its influence on the western intellectual tradition.

Its seven chapters provide a detailed account of the Paradoxa Stoicorum, from the time of its composition in 46 B.C.E. through the Middle Ages and Renaissance up to the present day.

Dr. Ronnick also is the editor of *Cicero on Self-Realization and Self-Fulfillment: Selections from His Philosophical Works*, published by NECN Publications, Amherst, Mass.

Cicero on Self-Realization and Self-Fulfillment is one of a new series of publications designed for use by intermediate/advanced secondary school students and intermediate college/university students.

Diana Hume George, professor of English at Penn State Erie, The Behrend College, co-edited *Selected Poems of Anne Sexton*, which was chosen as a Book of the Month Club selection last fall. Her essay, "Wounded Chevy at Wounded Knee," was recently selected for "Best American Essays of 1991" by Joyce Carol Oates, which includes works by Margaret Atwood, John Updike, and Woody Allen.

James Holliman, assistant professor of surgery, is the author of *Emergency Medicine Manual for Rotating Residents*.

Richard L. Naeye, professor and chairman, department of pathology, authored a book, *Disorders of the Placenta, Fetus, and Neonate: Diagnosis and Clinical Significance*.

Robert E. Newnham, Alcoa professor of solid state science at the Materials Research Laboratory, is editor of a new book, *Piezoelectricity*, published by the American Institute of Physics.

The book consists of 32 key papers on biomedical scanners, sonar systems, and materials processing, and is co-authored by B.V. Hiremath of AT&T Bell Laboratories, and Carol Rosen of GEC-Marconi. Major sections of the book explore measurement techniques and the equations of state for coupling mechanical and electrical fields.

Stanley B. Baker, professor of education, is the author of *School Counseling for the Twenty-First Century*, published by Merrill-Macmillan.

The book advocates a balanced approach to school counseling, that is, a balance between treatment and prevention services. Designed as a textbook for training school counselors and a professional book for practicing school counselors, it contains chapters presenting the demand for, basic ingredients of, and basic competencies needed in the counseling, pedagogical, consulting, referral, information, placement, assessment, and accountability services in school counseling.

Additional chapters deal with legal and ethical responsibilities, the legacy of social reform in the profession, and professional identity for school counselors.

Highlighted in the professional identity chapter are recommendations that the status and effectiveness of school counselors will best be enhanced through a unified professional effort to accomplish such goals as uniformity in training programs and certification standards and the elimination of non-counseling responsibilities that limit the effectiveness of school counseling.

Erdener Kaynak, professor of marketing at Penn State Harrisburg, is the editor of *Global Business: Four Key Marketing Strategies*, published by the Haworth Press, Inc.

Global Business offers practical, managerial guidelines for business and marketing managers, public policy makers, and researchers and scholars of marketing on a global scale.

Dr. Kaynak said the book is designed to help firms develop and maintain distinct competitive advantages in the foreign markets in which they wish to or do already operate.

Among the topics discussed are global location strategy; global sourcing; the Euroconsumer; marketing in Socialist countries of Eastern Europe and the People's Republic of China; joint venture formation; Third World marketing, and cross-cultural and cross-national consumer behavior.

Faculty/Staff Alerts

Microcomputer IDT deadlines

All equipment and software ordered on Interdepartmental Transfers (IDT's) must be delivered by the Microcomputer Order Center by June 30. This delivery date is necessary to ensure that all accounts are accurately charged on their respective 91/92 budget.

Departments should send IDT's to the Microcomputer Order Center no later than May 29, for items to be charged on the department's 91/92 budget. This does not guarantee delivery by June 30, due to variance in vendor availability.

The Microcomputer Order Center will continue to accept IDT's after May 29; however, any IDT's containing items not deliverable by June 30, will be returned to the originating department for a revised 92/93 budget number.

According to federal law, the Microcomputer Order Center may not charge any budgets for equipment or software prior to the actual delivery date. For pricing and availability information, call the Microcomputer Order Center at (814) 865-2100, or stop by 12 Willard Building, University Park.

Tax deferred annuities

Regular, full-time faculty and staff members are reminded that one of many benefits available to them is the tax deferred annuity.

Section 403(b) of the Internal Revenue Code permits some employers, such as colleges and universities, to make these programs available. Tax deferred annuities make it possible for employees to save part of their salary for future needs and, at the same time, defer federal income tax. Contributions must be in the form of payroll deductions.

At the present time, approximately 2,900 full-time faculty and staff members participate in this program.

Tax deferred annuities for faculty and staff at Penn State are available through The Equitable Life Assurance Society, Teachers' Insurance and Annuity Association (TIAA) and the Variable Life Insurance Company (VALIC).

Additional information may be obtained from representatives of the Equitable, VALIC or the Employee Benefits Division (814) 865-1473.

News in Brief

Slavic seminar speaker

Krzysztof Jasiewicz, head of the electoral studies division, Polish Academy of Sciences, will speak at the Slavic Center Luncheon Seminar on "Polish Politics in the Aftermath of the 1991 Elections" at noon, Wednesday, April 8, in 12 Sparks at University Park.

The Department of Sociology will co-sponsor the presentation by Dr. Jasiewicz, who also is visiting associate professor of sociology at Washington and Lee University in Lexington, Va.

Special Olympics

Penn State is once again hosting the PA Summer Special Olympics Games, Thursday, June 11, through Sunday, June 14, at University Park. Approximately 2,000 volunteers are needed to help make this event run smoothly.

Why not get a group from your department to take part in the volunteer program? Better yet—involve the entire department. Sports offered during the Games include aquatics, track and field, basketball, bowling, gymnastics, powerlifting, softball, and tennis. Volunteers are needed in all areas.

To obtain a copy of the preregistration brochure, stop by the Information Desks at Kern Commons, HUB, Paul Robeson Cultural Center, and Eisenhower Chapel, or phone the local PA Special Olympics office at (814) 234-8750.

Stone Valley to open

The Stone Valley Recreation Area will open for the 1992 season on Saturday, April 4. The area, operated through Penn State's Auxiliary Recreation Services, will be open daily from sunrise to sunset.

Boat rentals for Stone Valley Lake — including canoes, rowboats, sailboats, and paddleboats — will be available from 8 a.m. to 8 p.m., seven days a week.

Effective this season, boaters who wish to use privately-owned boats on the lake must purchase Season Launch permits. Daily Launch permits have been eliminated for privately-owned boats.

The lake will be closed to fishing until the opening of trout season at 8 a.m. Saturday, April 18.

Town Gown Forum

The Town-Gown Forum is sponsoring a public meeting on alcohol and alcohol abuse in State College at 7:30 tonight in 230 South Building at the State College Area High School on Westerly Parkway.

The meeting will give community members a chance to share concerns, issues and problems concerning behaviors associated with alcohol abuse. A second meeting will be held April 22 to develop strategies to address the problem.

The Town-Gown Forum has been meeting with apartment building owners and managers to help reduce vandalism and disturbances in their buildings, working with fraternities experiencing alcohol-related problems and helping the University, the school district and the borough to share information.

Arts

Continued from Page 6

crafts including pottery, jewelry, woodcarving, stained glass, quilting, weaving and paper making.

The purpose of the Guild is to encourage and promote crafts in Pennsylvania.

Undergraduate Student Council Show

Works by students in the College of Arts and Architecture will be on display in Pattee Library's West Lobby Gallery through April 30, 1992.

Sponsored by the Arts and Architecture Undergraduate Student Council and juried by faculty members and students within the College, the exhibit features graphic design and printmaking and reflects a variety of interests within the students' fields of study.

Fiber Art

An exhibition of fiber art by Marinda Stretavsky titled "Figures I," will be in Pattee Library's Lending Services Gallery through April 30.

The exhibition features 10 miniature, masked fiber figures constructed of acrylic painted, cotton fabric with suede, ribbon and netting embellishments.

Arts at .

Berks Campus

The Nittany Lion Juried Exhibition IX will open on Friday, April 3, with a free public reception from 6 to 8 p.m. in the Freyberger Gallery at the Penn State Berks Campus. The show will run through April 30.

The juror for this year's show is Jenine Culligan, assistant curator at the Delaware Art Museum in Wilmington, Del.

The Nittany Lion Juried Exhibition draws participation each year from talented artists in Berks County and the surrounding region. Works of various medium are selected for this highly competitive event on the basis of their formal qualities as well as originality and artistic vision.

DuBois Campus

DuBois artist Charles Richard Kenawell Jr. is exhibiting a collection of his paintings in the Smeal Lobby and Conference Room at the Penn State DuBois Campus through April 18.

Mr. Kenawell, a graduate of Central Christian High School, received a bachelor of arts degree from Indiana University of Pennsylvania. He has won numerous awards in juried art exhibits throughout western Pennsylvania and has presented several solo exhibits locally.

Hazleton Campus

The Repertory Theatre of America, Alpha Omega Players, will perform the comedy "The Drunkard" at the Penn State Hazleton Campus at 8 p.m. Tuesday, April 7.

In a small cast version by Raymond Hull, this comedy pokes gentle fun at Victorian naivete, and depicts the pitfalls of "demon rum" as its theme. The play's simple sermon on intemperance centers around a fine, upright young man who is led astray by a villainous evil-doer lawyer who lures the hero into the consumption of Demon Rum. Through his fall into the grip of Demon Rum, the hero's life is wrecked until he is rescued by his ever-loving and noble wife.

Wilkes-Barre Campus

The ninth annual Hayfield Poetry Festival, titled "Landscapes," will be held from 9 a.m. to 5 p.m. Saturday, April 11, in Hayfield House at the Penn State Wilkes-Barre Campus.

The festival will feature two poets and a visual artist.

Colette Inez, poet in residence at Bucknell University, and Susan Stewart, professor of English at Temple University, will lead poetry workshops and conduct a reading of their work.

William Chickillo, faculty member at Penn State Wilkes-Barre, will conduct a drawing workshop and lead a discussion on being an artist.

Focus on Research

Scientists develop computer model to aid in understanding the atomic structure of DIAMONDS

A computer model and video simulation developed by a team of University researchers will help scientists understand how to make better diamonds.

Designed by a team of University chemists, led by **Barbara J. Garrison**, professor and head of the Chemistry Department, the model provides a powerful new tool for suggesting the complex choreography of individual atoms during synthetic diamond formation.

As building blocks for their computer model, Dr. Garrison and her colleagues used descriptions of the bonding interactions between atoms in known molecules. With this information, the model can calculate the dynamic movement within groups of atoms caused by changes in the bonds between interacting atoms.

"This is a useful tool for predicting or suggesting what would happen between the atoms on the surface of a growing diamond," she said. "Because the model can handle a high level of complexity, we can use it to predict how the atoms will behave under different temperatures and pressures."

The model was described in the Feb. 14 issue of the journal, *Science*, by **Dr. Garrison; Eric J. Dawnkaski**, graduate student; **Deepak Srivastava**, research assistant professor, and **Donald W. Brenner**, a former student of Dr. Garrison and a member of the staff of the Naval Research Laboratory in Washington, D.C.

"This is the first model that is capable of predicting a series of reactions among so many atoms in such exquisite detail," **Gregory Geoffroy**, professor of chemistry and dean of the Eberly College of Science, said.

The sparkling, hard diamonds used in the finest jewelry and the dull, soft graphite used in pencils are both made from carbon atoms. Whether carbon atoms form diamond or graphite is determined by how they stack up in orderly patterns known as crystal structures. The carbon atoms in graphite are arranged weakly in sheets, like a stack of paper, while the carbon atoms in diamond form a strong interlocking network.

Unfortunately for diamond lovers, carbon prefers the graphite arrangement. "Carbon will make graphite unless you do something to stop it," Dr. Garrison said.

If a cost-effective way could be found for making high-quality diamond films, they could be used in a wide variety of products, including super-hard abrasives, wear-resistant protective coatings, and high-temperature semiconductors. In order to figure out how to make nearly perfect diamond films, scientists need to understand the step-by-step process by which diamonds form.

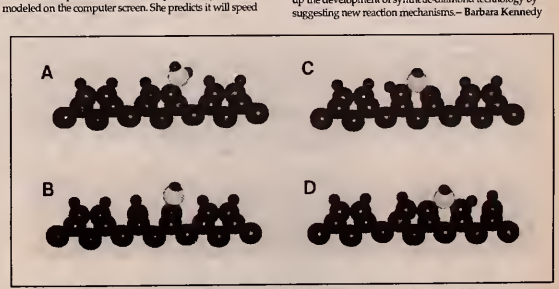
"The key to improving the technology for making synthetic diamonds at low temperatures and pressures is to understand the fundamental chemistry first," Dr. Garrison added..

The video shows that a small molecule of carbon and hydrogen atoms, like the leading partner in a waltz, guides a carbon atom this way and that. The molecule bonds with and breaks apart a "dimer," a linked pair of carbon atoms sitting on the surface.

When the dimer separates, it makes room for the carbon atom, the heavier member of the hydrogen-carbon molecule, to fall neatly in between, forming the crystal pattern of diamond. The lighter hydrogen atoms stay on the surface of the growing carbon stack, ready to interact with other atoms.

Dr. Garrison said the model will challenge other scientists to duplicate in the laboratory what they see modeled on the computer screen. She predicts it will speed up the development of synthetic-diamond technology by suggesting new reaction mechanisms.– Barbara Kennedy

Barbara J. Garrison holds a building block model of atoms during diamond formation



Computer-generated video model shows hydrogen atoms guiding carbon atoms into the surface structure of a diamond film — A. Hydrogen and carbon atoms approach surface. B. Carbon and hydrogen atoms create space in surface structure. C. and D. Carbon molecule falls either right or left.

University Park Campus

Director to speak on continuing education at Scholars Forum April 7

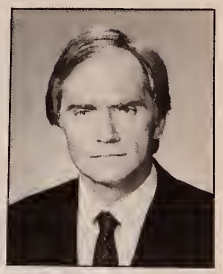
Donald A. Gogniat, director of continuing education at the Penn State York Campus, will discuss international continuing education with participants at the second Continuing Education Scholars Forum at 3:30 p.m. Tuesday, April 7, in 312 Keller Conference Center at University Park.

The forum, sponsored by Penn State Continuing Education, is open to the public. It is designed to encourage University faculty members involved in research and scholarship in the continuing education field to share their research and perspectives with colleagues.

Dr. Gogniat, an adjunct faculty member at the University, will discuss "Melting Pot or Wok: Thoughts on Continuing Education in a Global Community." His presentation will focus on how continuing education practitioners can get more involved in program development, as well as the kinds of scholarly research opportunities that are available in international continuing education.

Dr. Gogniat, who is the recipient of a 1990 research grant from the National University Continuing Education Association for work on international continuing education, has been a member of the Continuing Education staff since 1980, when he was named an area representative at the Penn State McKeesport Campus.

In 1987, he was appointed director of continuing education at the York Campus, where he is responsible for continuing education undergraduate, graduate and noncredit courses and programs for business, industry and the public. He also is director of education and training grants for the retraining of employees through the Ben Franklin Partnership Fund.



Donald A. Gogniat

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, April 9. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (FS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02330, Research Park Marketing Director, Senior Vice President for Research and Dean of the Graduate School, Associate Vice President for Research and Technology Transfer** — Responsible to the associate vice president for research and technology transfer for the development and implementation of an overall marketing plan for the Penn State Research Park, for formulating and managing the implementation of individualized marketing strategies for specific park prospects. Requires bachelor's degree, or equivalent, plus five to seven years of effective experience with background in technology management, product development, and/or marketing. Experience in the development of university-related research parks or similar ventures is desired. Graduate degree is preferred. This is a Fixed-Term I position funded through June 30, 1993. STAFF GRADE 9.

■ **02331, Senior Medical Technologist, Student Services, University Health Services** — Responsible to the manager, Ancillary Services, for the operation of the clinical laboratory. Hire, orient and supervise laboratory technicians. Assign responsibilities and establish laboratory priorities. Perform standardized and specialized laboratory tests and procedures. Confer with physicians on specialized tests ordered and advise on tests available. Process requests for special tests outside of scope of laboratory and arrange for commercial performance of special laboratory tests. Review and update laboratory methods and procedures; keep abreast of new techniques, equipment and tests and recommend the purchase of new equipment. Review test results and laboratory reports and resolve all problems. Participate in quality assurance reviews. Requires bachelor's degree and A.S.C.P. certification, or equivalent, plus one to two years of effective experience. STAFF GRADE 5

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey hd line at (717) 531-8531 by April 9.

■ **10305, 0306, 0307, 0308, (4 Positions) Supervisor Pharmacy, Department of Pharmacy** — Responsible to the manager and/or assistant manager, Pharmacy Services, for overseeing the day-to-day provisions of pharmaceutical care, including direction/supervision of the staff within strategic clinical unit of the department. Requires a bachelor's degree in pharmacy plus two to three years of effective management experience in an institutional pharmacy practice. Master of science degree or doctor of pharmacy degree preferred. Pennsylvania registration in pharmacy or eligibility required. STAFF EXEMPT, GRADE 7.

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William E. Campbell Jr., Editor
Lisa M. Rosellini, Assistant Editor
Kathy Garman, Calendar

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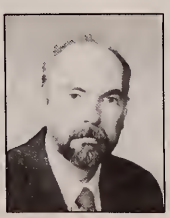
INTERCOM

April 9, 1992 Volume 21, Number 28

Scholar Medals bestowed on six faculty members

Dan Alvaro Lean

Veranica Burns Lucas



Jahn Paul Lucas

Eliza Pennypacker

James B. Andersan

Jay Belsky

Six University faculty members have received the 1992 Faculty Scholar Medals for Outstanding Achievement.

They are **Don Alvaro Leon**, associate professor of architecture; **Veronica Burns Lucas**, assistant professor of landscape architecture; **John Paul Lucas**, professor of architecture, and **Eliza Pennypacker**, associate professor of landscape architecture, for the arts and humanities medal; **James B. Anderson**, professor of chemistry for the physical sciences and engineering medal, and **Jay Belsky**, professor of human development, for the social and behavioral sciences medal.

Established in 1980, the award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. A committee of faculty peers reviews nominations and selects candidates. The recipients are approved by President Thomas.

The team of Leon, Burns Lucas, Lucas and Pennypacker are honored as creators of the winning design for the Korean War Veteran's Memorial in Washington, D.C. Working together these four faculty members conceived a design that recalls a significant epoch in our nation's past while at the same time invites visitors to participate in commemorative reflection.

Mr. Leon joined the faculty in 1981 after completing his M.S. in architecture at Penn State. He received a bachelor's degree in architecture from Cornell University in 1960. From 1968 to 1989 he pursued a private practice in architecture and in 1989 he joined the firm of Burns Lucas, Leon, Lucas, Architects. He was the Hispanic Leadership Fellow, Woodrow Wilson National Fellowship Foundation, American Council on Education at Princeton in 1986 and received the American Institute of Architects Education Honors citation for significant achievement in teaching in 1988 and 1989.

Ms. Burns Lucas received a bachelor of arts degree from Barnard College in 1968 and a master of landscape architecture from North Carolina State

See 'Scholar Medals' on Page 3

Results of two-year study on alcohol and other drug abuse released

The University released results of its Task Force on the Prevention of Alcohol and Other Drug Abuse report at the State College Town-Gown Forum on Alcohol April 2 after two years of study and investigation.

"Alcohol and other drug abuse on college campuses is widespread, and this trend is having adverse effects on students, faculty and staff nationwide. Drug abuse is draining — financially, emotionally and academically," **President Thomas** said.

The task force recommends establishing a group to monitor compliance with federal, state and University alcohol and other drug-related policies. It also recommends establishing a central office for all campuses that has the responsibility for coordinating, reviewing and assessing University alcohol and other drug policies and for developing intervention and prevention strategies.

"Problems related to the use of alcohol and other drugs may represent the single most important threat to the University," said **William Asbury**, vice president for student services who initiated the study.

"Alcohol in particular has been implicated in many high-cost incidents. The increasing campus violence and the loss of students, faculty and staff to alcohol and drug abuse is serious and needs more of our attention."

Susan Kennedy, associate director of University Health Services, was chair of the 15-member task force of faculty, staff, students and off-campus community representatives who served on the following subcommittees: alcohol-free social environments; campus assessment; cost for alcohol intervention; community referrals; and network standards.

The task force recommends that the group work closely with the Office of Health Promotion and Education, the Faculty/Staff Health Promotion Office and the Office of the President in developing University-wide standards for education, intervention, referral and assessment.

It also recommends that alcohol and drug treatment programs be made available to all students, faculty and staff, including a permanent employee assistance program for faculty and staff; a consulting arrangement at all campuses between the campus and local treatment providers; and at University Park, a certified drug and alcohol specialist who will provide on-site treatment and ancillary services to students.

Other recommendations include:

- A mandatory one-credit course on health and

> *"Problems related to the use of alcohol and other drugs may represent the single most important threat to the University."*
>
> -- William Asbury
> Vice President for Student Services

See 'Results' on Page 3

Focus on Diversity

Diversity Opportunities Calendar

Thursday, April 9
Center for Minority Staff Development, 3:30 to 5 p.m., 319 Rider Building. Workshop titled, "Coping Strategies for Working in a Predominantly White Environment," by Beverly Ladrido.

American Association of University Women, 7:30 p.m., State College Women's Club. Discussion titled, "Workforce Diversity: Stories of the Corporate Environment," by Beverly Romberger and Mary Cianni.

Penn State Erie, the Behrend College, 7 p.m., 101 Otto-Behrend Science Building. Film titled "Who Killed Vincent Chin?" followed by discussion led by Michael Ichiyama, assistant professor of psychology.

Through Friday, April 10
Penn State Great Valley, 9 a.m. to 5 p.m. Photographic exhibit titled, "Native Americans: Preserving the Past, Creating a Future," by Susan E. Stein.

Saturday, April 11
Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Workshop titled, "External Funding Roundtable," by Baba Briedis, coordinator of grants and contracts in the College of Liberal Arts. Attendance is limited to those who participated in a previous External Funding Workshop. For more information, contact Leah Witzig at 863-1663.

Tuesday, April 14
Paul Robeson Cultural Center Auditorium, noon to 12:50 p.m. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Men of Color of Central Pennsylvania, noon to 1 p.m., Nittany Lion Inn. General monthly meeting.

Paul Robeson Cultural Center, 7 to 8:30 p.m. "Innervisions" film and discussion presentation titled, "Just Black: Are the Children of Interracial Marriages Just Black? Or is the Issue More Complex?"

Residence Life, 7:30 p.m., East-Findlay George Clarke Lounge. Free screening of film, "Come See the Paradise."

Thursday, April 16
The Center for the Study of Higher Education, Black Studies and Women Studies, 7:30 p.m., Paul Robeson Cultural Center. Presentation titled, "The Challenge of Black Feminist Thought," by Patricia Hill Collins, University of Cincinnati associate professor of African-American studies.

Penn State Bilingual Education Program and the College of Education, 7:30 p.m., 112 Kern Graduate Building. Presentation titled, "Hispanics in Pennsylvania: Community Issues and Concerns," by Wilfredo Seda, Reading Hispanic Center executive director, and Vilma Garcia-Jones, York Spanish-American Center, assistant director.

"Black Generations" lecture set for April 21 at Pattee

Members of the University community are invited to attend the lecture, "The Black Generations," to be held at 3 p.m. Tuesday, April 21, in the African-American Studies Room of Pattee Library. The lecture is being sponsored by the Department of African and African-American Studies, the University Libraries, and the Penn State Bookstore.

"The Black Generations" will be presented by **Harold E. Cheatham**, professor of education, and **James B. Stewart**, vice provost, co-authors/editors of *Black Families: Interdisciplinary Perspectives*.

Immediately following the lecture, a reception and a booksigning session will be held in Pattee Library's West Wing Staff Lounge, W311. Copies of Black Families will be available for purchase at the reception.

Visiting minority students to arrive today

Approximately 150 minority prospective students from 10 states will experience college life at the University Park campus April 9 to 12.

The students are participants in a program titled, "Achievers Visitation Program '92'," which is part of a recruitment campaign sponsored by the Division of Minority Admissions and Community Affairs. The students will visit from Pennsylvania, Ohio, Delaware, New York, New Jersey, Massachusetts, Connecticut, Virginia, Maryland and Washington D.C.

Hosted by current minority University students, the visiting students will meet President Thomas and several faculty, staff and graduate students, learn about admissions procedures, attend a lecture and participate in numerous other activities.

Asian American Awareness Day

Asian American Awareness Day will be held from noon to 5 p.m. Saturday, April 11, in the HUB Fishbowl at University Park. Activities include speakers, a fashion show and dance performances.

The first event will be a talk by Tobin Barrozo, president of Metropolitan State University in St. Paul, Minn., and one of a few Asian-American presidents of U.S. colleges and universities. The last event will be a talk by Michael Ichiyama, assistant professor of psychology at Penn State Erie, the Behrend College, on anti-Asian American violence.

Asian American Awareness Day is sponsored by the Asian American Student Coalition and co-sponsored by the Chinese American Student Association, Korean Undergraduate Student Organization, Penn State Filipino Association, Friends of India and the Pakistan Forum.

Women's commission seeks nominations

The Penn State Commission for Women is seeking nominations for membership.

The commission serves as an advisory group to the president on matters affecting women of the University. Its purpose is to promote the efforts of women of the University, and to serve as a forum for the exchange of ideas.

The entire women's community at the University is represented by the Commission for Women. Its membership includes clerical, staff, faculty, administrators, and technical service employees, and undergraduate and graduate students. At least two members must be from locations other than University Park. Members are appointed to serve three-year terms.

The Commission is actively seeking nominations, including self-nominations, from all women and particularly those whose cultural, racial, or ethnic backgrounds would enrich the understanding of the needs and concerns of women throughout the University.

Nomination forms must be returned to the Commission for Women, 313 Grange Bldg., no later than April 20. Further information and nomination forms may be obtained by calling the Commission Office at 865-1683.

Delaware County Campus

Cultures of Africa program continues

April activity for the semester-long Cultures of Africa program at the Penn State Delaware County Campus includes the African Festival which will be held Thursday, April 16, in the Library/Learning Center at the campus. The festival will be a day-long celebration with marketplace, music and costumes.

Also scheduled during the month is a trip to Washington to the National Museum of African Art on Saturday, April 25.

Town-and-gown group to meet monthly

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place on April 15.

Professional women in State College and at the University are welcome to attend for informal discussion and networking. No reservation is required.

Modern day meets Medieval times

Under the direction of Richard P. McNitt, head of the Engineering Sciences and Mechanics Department, students recently assembled a catapult at the Pennsylvania Military Museum in Boalsburg as part of a conference on urban warfare in Medieval times. (Photo: Greg Grieco)

Mini conference on "Children and Television" to be held April 14

A mini conference on "Children and Television" will be held Tuesday, April 14, in the Nittany Lion Inn at University Park.

The conference, sponsored by the Center for Child and Adolescent Development; Department of Human Development and Family Studies, and the Department of Psychology, will consist of three presentations followed by a general discussion.

Featured speakers will be:

—9 a.m., Aletha Huston, professor of human development and co-director of the Center for Research on the Influences of Television on Children, University of Kansas, "Reality and Fiction on Television: What Children Understand and What They Learn."

—10:45 a.m., John Wright, professor of human development and co-director of the Center for Research on the Influences of Television on Children, University of Kansas, "Uses and Abuses of Video Technology in Psychological Research with Children."

—2:15 p.m., Valeria Lovelace, assistant vice president, Sesame Street Research, Children's Television Workshop, "Behind the Scenes with Sesame Street Research."

For additional information on the mini conference, contact Lynn S. Liben, head of the Department of Psychology, 865-9514

Scholar Medals

Continued from Page 1

University in 1976. She joined the faculty in 1988 after serving from 1982 to 1988 as assistant professor of architecture at Auburn University. She is a member of the firm of Burns Lucas, Leon, Lucas, Architects.

John Lucas received a bachelor of architecture from the University of Maryland in 1972, a master of architecture from North Carolina State University in 1976 and pursued a Ph.D. in architecture studies at the Georgia Institute of Technology from 1985 to 1987. He began his academic career as an assistant professor of architecture at Texas Tech University in 1976 and was at the University of North Carolina-Charlotte from 1977 to 1980. He became associate professor of architecture at Auburn University in 1982 and joined Penn State's faculty in 1988. He became professor of architecture in 1990.

Ms. Pennypacker received a B.A. in philosophy from St. Johns College in 1979 and an M.L.A. from the University of Virginia in 1982. She became an instructor of landscape architecture in 1982, assistant professor in 1983 and associate professor in 1989. She received a certificate of merit from the American Society of Landscape Architects in 1982. She received the Award of Distinction from the Council of Educators in Landscape Architecture in 1984.

Dr. Anderson's contributions to the fields of kinetics and molecular dynamics have received international recognition from both experimental and theoretical chemists. His "random walk method" of quantum mechanics is now being used by colleagues throughout the world allowing prediction of the energies of molecules with accuracies previously impossible and the precise determination of stabilities, reaction rates and spectroscopic properties.

Dr. Anderson receive a B.S. in chemical engineering from Penn State in 1957, an M.S in chemical engineering from the University of Illinois in 1958 and a Ph.D. in chemical engineering from Princeton in 1963. He was an assistant professor in the Department of Chemical Engineering at Princeton from 1964 to 1968, an associate professor in the Department of Engineering and Applied Science at Yale from 1968 to 1974. He joined the faculty in 1974 as an associate professor in the Department of Chemistry.

Dr. Belsky is internationally recognized as an outstanding developmentalist who has completed a series of longitudinal studies of children and their families and as a scholar capable of combining the diverse findings of such disciplines as psychology, family sociology and biology into synthetic assessments applicable to the core issues in developmental research. He is specifically recognized for his pioneering work in the developmental implications of infants' experiences in day care and his empirical and conceptual work on the interrelations among child development, parenting behavior, marital relations and evolutionary theory.

Dr. Belsky received his B.A. in psychology from Vassar College in 1974 and his M.S. in child development and Ph.D. in human development and family studies from Cornell University in 1976 and 1978, respectively. He joined the faculty in 1978 as assistant professor of human development and became associate professor in 1983 and professor in 1986.

Results

Continued from Page 1

social implications of alcohol and other drugs:

- Continue and expand alcohol-free programs for students at all Penn State campuses, especially late in the evening and on weekends;
- Investigate and suggest guidelines for limiting the marketing of alcohol and alcohol-related activities on campus;
- Establish a substance-free living option. The University Park Campus plans to open a substance-free Life House in a residence hall this fall and other campuses are exploring such an option as well.

Currently, University policies address individual behaviors as well as group activities. Students involved in an on-campus infraction may be directed to participate in an alcohol education program or may receive disciplinary sanction from probation to expulsion. University sanctions also may extend to off-campus infractions if the activity is identified as having a substantial adverse effect upon the University.

The Office of Conduct Standards oversees disciplinary action for students and the Office of Human Resources handles violations by faculty and staff.

This year, Penn State plans to conduct an assessment of student attitudes, awareness and behaviors regarding the use of alcohol and other drugs as part of its University-wide needs assessment, required by the Drug Free Schools and Campus Act, enacted in 1990.

The Art of Teaching

Editor's note: This is the first in a series of essays by University faculty members on "The Art of Teaching."

Motivating students

Moving beyond the blank stares to critical thinking and class participation

By Arthur Goldschmidt Jr.
Associate professor of history

After having spent more than a quarter-century teaching in Penn State classrooms, I am more troubled than ever about the level of student motivation. There are signs everywhere that many students show no desire to do good work. I often overhear students, talking to one another at unguarded moments, saying things like "Professor X does not motivate me." Just before I sat down to write this article, I had a long telephone conversation with a colleague in another department who said that, in an effort to make students work harder in a general education course that he has to teach, he plans to give one unannounced quiz in each section, because "fear is the only way to motivate them."

One of my own students, a lovable fellow with the unlovable habit of skipping class whenever he has not read my assignments, once left a note on my door that ended: "Fear is my most powerful motivator."

Some readers with professional expertise in educational psychology may want to advise the rest of us, but my teacher's intuition tells me that guilt and fear are poor motivators. Many of us drive ourselves with some combination of guilt and fear: we **must** get those papers graded and our grades into our dean's office; we **must** file our tax forms, or we **must** help our spouses do the housework and take care of the kids. I **must** write this article because I promised to do so. Is this what an esteemed member of our faculty once called **musterbation**?

Then what **does** motivate students? I cannot presume to generalize; each student is to some degree unique. Attitudes toward academics may be formed in early childhood, reflecting a myriad of influences from parents, siblings, other relatives, kindergarten and grade school teachers, and fellow pupils. I recall the distress that I felt when I first taught here and contrasted the listlessness of students in an introductory European history class with the tireless curiosity of our infant son. What happens in the life of children and teenagers to transform them from eager learners to bored time-servers?

At that time, I believed that Penn State's student culture, with its emphasis on noisy parties and spectator sports, caused this apathy in the classroom. If I asked my class questions derived from their readings, in an effort to stimulate some discussion, I was rewarded with embarrassed silence; if I gave carefully prepared lectures based on the best scholarship I knew about, the students scribbled down everything in their notebooks, participating only to ask me to repeat or to spell an unfamiliar name.

My only hope to escape from student apathy would be to find another job, but my classmates from graduate school assured me that they faced the same problems, no matter where they taught. My senior colleagues generously gave of their time to sit in on my classes and to offer advice and reassurance, for I was one of the least experienced teachers ever to enter our department, but it was clear that the problem of student motivation was one that all of us must solve for ourselves.

My solutions address problems that are in part specific to my specialty, Middle East history, a subject that is not likely to attract many students unless they have either an ethnic tie to the area or a graduation requirement to fill, but also a subject that lends itself to endless discussion, informed or otherwise. I decided to create discussion sections in any Middle East history course whose enrollment exceeded 30, preferably sections that met for longer than the time allotted to each of my lectures.

Realizing that my department would never have enough graduate assistants to staff the number of discussion groups that my introductory Middle East course would warrant, I would have to train a cohort of undergraduate teaching interns to serve as peer instructors, initially under close supervision. These teaching interns and assistants would have to meet with me before the course began and then at least once a week to discuss attendance and grading policies, teaching methods, examination techniques, and ways to deal with apathy or indeed with their own discouragement.

I learned that graduate assistants and undergraduate interns easily adopt the attitudes and expectations of teachers, good and bad, and that they especially like to view themselves as a team, often giving one another advice and support, privately as well as publicly. They needed to know that I respected their ideas and routinely consulted them as partners in the teaching process, especially as they came to assume responsibilities that might well have intimidated me in my first few years as a teacher here.

> **" Direct involvement in the subject matter, desire for acceptance, and recognition are powerful motivators for students at any age. "**

Direct involvement in the subject matter, desire for acceptance, and recognition are powerful motivators for students at any age. The chance to impress their peers and ultimately their professor draws many students into small group discussions and even smaller group oral examinations. It is especially gratifying to see some problem students blossom into junior Middle East experts with solutions to problems that have so far eluded older scholars and diplomats, even though further debate and study leads them to realize that black-and-white solutions are intellectual mirages.

Many friendships and even some marriages have grown out of classroom debates of such issues as the Arab-Israeli conflict. Many students have discovered mental powers that they never knew they had and have developed enough intellectual poise to improve in their other classes. Even now I am thrilled to hear of some students who have continued a discussion, an oral examination, or a seminar, talking about the Middle East, long after they and I have parted company.

I am not sure that my ideas and methods can be applied to other subjects. It would be extremely interesting to hear or to read comments by other Penn State faculty members (and teaching assistants) about what they find motivates students. Must academic motivation come from within? Or can we create it in students? Any student? How? I hoped that I could answer these questions, but I now think that it is better to open a spirited dialogue within the Penn State community.

Arthur Goldschmidt Jr. associate professor of history. (Photo: Greg Grieco)

School of Communications alumni named fellows

Lawrence G. Foster, public relations counsel and retired corporate vice president of public relations for Johnson and Johnson, and Elliot S. Schreiber, senior vice president for corporate communications at Miles Inc., will visit the School of Communications April 20 to April 24 to meet with faculty and students and will be honored as Alumni Fellows April 23 at University Park.

Mr. Foster, a public relations consultant in the communications field for 44 years, retired in 1990 as corporate vice president of public relations for Johnson and Johnson, the worldwide manufacturer of medical products. He had spent 33 years at Johnson and Johnson and organized its first public relations department.

In 1982 and again in 1986, he received wide recognition for his role in managing the Tylenol crises. The company's performance during those tragedies was seen as a classic example of how disaster should be handled. In 1989, he received the Gold Anvil Award from the Public Relations Society of America, for outstanding professional achievement.

He is president of the Arthur Page Society, a national organization of senior level public relations executives. Since 1986, he has been a member of the Board of Trustees of the Robert Wood Johnson Foundation in Princeton, the nation's largest healthcare philanthropy.

For many years he was active at Penn State, serving on the Board of Trustees from 1980 to 1989, and before that, as president of the University's Fund Council. From 1987-1991, he was chairman of the University Libraries Development and Advisory Board. In 1979, he received the Distinguished Alumnus Award, Penn State's highest honor.

Dr. Schreiber is senior vice president — corporate communications for Miles Inc., a $6 billion chemicals, healthcare and imaging technologies company created through a merger of Mobay Corporation, Miles Inc., and Agfa Corporation with their holding company Bayer USA Inc. He is responsible for internal communications, corporate advertising, corporate identity, community affairs and contributions, and printing and media services.

He joined Bayer USA Inc., in October 1986 as a director of public affairs. In 1987, he was elected vice president — corporate communications and an officer of the corporation. He was named senior vice president in February this year.

Prior to joining Miles, Dr. Schreiber was at Dupont Company, Wilmington, Del. from 1980-1986 where he held a variety of professional and managerial communications positions of increasing responsibility. At the time he left Dupont, he was public affairs group manager for the company's medical products, electronic products and imaging systems businesses.

Lawrence G. Foster

Elliot S. Schreiber

From 1976-1980, he was an assistant professor, Department of Communication, at the University of Delaware, where he founded the University's first public relations program and was chairman of Undergraduate Studies. Between 1971-76, he was in graduate school at Penn State, earning a master's degree in journalism in 1974 and a Ph.D. in communications in 1977. He received a bachelor's degree in political science from the University of Delaware in 1970.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and life-long.

Free information source

***Penn State Profile*, a general informational brochure, is available from the Office of University Relations at 863-1028. *Profile* contains summary data on topics as diverse as the University's academic accomplishments, scholarly resources, faculty and student body, finances, and outreach programs. Departments have found the brochure especially useful in recruiting graduate students and faculty, and acquainting visitors with Penn State.**

The Shephardic Journey to commemorate anniversary of expulsion from Spain

The Shephardic Journey 1492-1992, a symposium in commemoration of the 500th anniversary of the expulsion of Jews from Spain and their contributions to world culture, will be held Wednesday, April 22, and Thursday, April 23, at University Park. The lectures are free to the public.

Wednesday: 7:30 p.m. in 112 Kern, "The Shephardic Jews in Early America," **Robert Lima**, professor of Spanish, Penn State. The Wednesday session will be moderated by **Daniel Walden**, director of the American Studies Program at Penn State. 8:30 p.m. in 112 Kern, "The Jews of Morocco: A Lecture with Slides," **Rabbi Roy Mittleman**, director of the Hillel Foundation, City College of New York.

Thursday: 10 a.m. in 101 Kern, "The Golden Age of Spain: The Jewish Contributions," **David Rabeeya**, Hebrew Language and Literature Department, Gratz College. 12:15 in 101 Kern, "The Culture and Language of the Shephardic Communities of Northern Morocco," **Alegria Bendelac**, professor of French, Penn State; Thursday's first two sessions will be moderated by **Beno Weiss**, professor of Italian at Penn State.1:30 p.m. in 112 Kern, "The Crypto-Jews of New Mexico," **Stanley Hordes**, Latin American Institute, University of New Mexico. This session will be moderated by **Micaela Amato**, assistant professor of art at Penn State.

The symposium is sponsored by the Institute for Arts and Humanistic Studies, the American studies program and the College of the Liberal Arts.

Faculty/Staff Alert

Health care coverage

Faculty and staff members with children are reminded that dependent children are covered under the University's health care benefit programs until the age of 19, unless they are full-time students. Those who are full-time students continue to be covered until age 23.

Therefore, it may be desirable to seek other health coverage in advance for dependent children approaching age 19 or 23, as applicable.

The University offers the opportunity to continue health care programs when a dependent child reaches age 23 or is no longer a full-time student under provisions of a Federal law, referred to as COBRA. An individual also may elect to convert the group hospital/surgical/major medical plan or Healthpass to an individual policy through the University's plan administrator. If continuation of coverage is desired, information and application forms may be obtained from the Employee Benefits Division, 205 Rider Building, (814) 865-1473.

Carnegie Building

Breathing new life into a familiar University Park structure

The exterior of Carnegie Building at University Park looks the same, but School of Communications graduates will experience a new interior, complete with the addition of 121-seat cinema.

An open house for alumni and the University community will be held from 5:30 to 7:30 p.m. Friday, April 24.

> *"Carnegie is something of a model renovation and should be seen by alumni who once graced its halls."*
>
> -- Brian Winston, dean

"Carnegie is something of a model renovation and should be seen by alumni who once graced its halls," Brian Winston, dean of the School of Communications, said.

The year-long face-lift at Carnegie temporarily relocated students, staff and 47 faculty members into several downtown buildings near campus. "The building was rebuilt from the inside out," Paul D. Ruskin, director of operations, said.

Carnegie Building was constructed in 1904. Mr. Ruskin worked with officials from the Pennsylvania Historic Museum Commission to maintain the building's historic exterior.

"All the old windows were replaced with new energy-efficient types that are designed to look like the old ones," he said. "Inside, we retained as many architectural features, such as the main stairway, as possible."

The cinema was part of the space once reserved for the *Collegian* newspaper staff and, before that, was used as a practice area for the Blue Band.

"The empty space was 40-feet high, but now, the space is much more efficiently organized for 16 offices above the cinema," Mr. Ruskin said.

Movie-goers won't find a bad seat in this cinema because each one is scientifically spaced for a good view of the 8.5-foot by 22-foot screen.

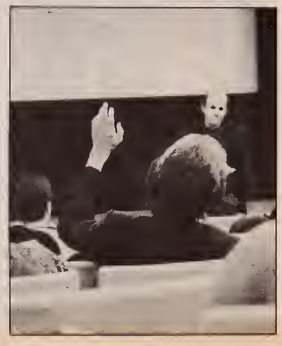
"The new cinema replaces the temporary one that had space for only 45 to 50 people," Mr. Ruskin says. "The Carnegie cinema is one of few places that offers 35mm movie projection for high resolution films. Most projection on campus is only 16mm."

The renovations include some new facilities, such as a studio classroom, where film students learn directing, lighting and storyboarding techniques, and a complete audio mixing facility, with 16-track and eight-track audio mixing capabilities to produce very complex soundtracks, which will heighten the students' filmmaking experiences and enhance sound production.

The historic beauty of Carnegie can still be seen in features like the handrail in the main stairway (shown above), but the new addition of the 121-seat cinema adds convenience and comfort for movie-goers.

Other additions include an Oxberry animation stand, donated from the Division of Media and Learning Resources to offer film animation courses; re-activated darkrooms for the new photojournalism faculty member and his students; new computers in the renovated news writing lab, and a central location of minority affairs, pre-major advising and student services.

Photos by Greg Grieco



William Uricchio, associate professor of mass communications, rewinds a reel of film (above) and later (right) listens as students participate in a class being held in the new cinema area.

Appointments

Ann Merchant Boesgaard

Ann Merchant Boesgaard, internationally known for her role in research on the chemical evolution of stars and the galaxy, has been named to the Eberly Family Chair in Astronomy and Astrophysics. The position is one of the eight endowed chairs established for each academic department in the Eberly College of Science by the Eberly Family Charitable Trust of Uniontown.

Dr. Boesgaard, currently professor of astronomy at the University of Hawaii, will assume the position in January 1993.

Dr. Boesgaard's current research interests include the evolution of stars, the dynamic and chemical history of our galaxy and the earliest moments of time when hydrogen, helium, and lithium were created.

The author or co-author of more than 80 research publications, she received her bachelor's degree in astronomy and physics from Mount Holyoke College in 1961, graduating magna cum laude. She earned her doctoral degree in astronomy at the University of California at Berkeley in 1966 and was awarded an honorary doctorate by Mount Holyoke College in 1981.

Between 1964 and 1967, Dr. Boesgaard held research appointments at the Lick Observatory in California and the California Institute of Technology. From 1967 to the present she has held faculty appointments in the Department of Physics and Astronomy and the Institute for Astronomy at the University of Hawaii, where she served as chair of the graduate program in astronomy from 1975 to 1976 and from 1988 to 1990.

She was awarded a Guggenheim fellowship in 1986 and an NSF Visiting Professorship in 1987-1988 for work at the California Institute of Technology.

Dr. Boesgaard was honored with the Muhlmann Prize of the Astronomical Society of the Pacific in 1990. She has held visiting appointments as a NATO Senior Science Fellow in 1973, as a researcher at the French National Center for Scientific Research in 1973-1974, and as a research associate at the Hale Observatories in 1974. She was a visiting professor at the College of France in 1980 where she received the College of France Medal; a Smithsonian Fellow in the Harvard Center for Astrophysics in 1980-1981; and a visiting scientist at the Paris Observatory/Meudon in 1981.

In 1985 she held the position of Morrison Visitor at the Lick Observatory, then was a Visiting Associate in Astronomy at the California Institute of Technology during 1985-1986. Dr. Boesgaard has been vice-president, president, and a member of the board of directors of the Astronomical Society of the Pacific and has served on committees of numerous societies, including the American Association for the Advancement of Science, the American Astronomical Society and the International Astronomical Union.

Donald H. Ford has been named acting head of the Biobehavioral Health program in the College of Health and Human Development. He will serve as head while **Gerald E. McClearn** is acting dean of the college.

Dr. Ford, a faculty member in the Department of Human Development and Family Studies since 1967, was founding dean of the former College of Human Development. He served as dean from 1967 to 1977 and later served a year as acting head of the Department of Communication Disorders. Earlier in his Penn State career, he headed the Division of Counseling (now the Division of Undergraduate Studies) for nine years.

The Biobehavioral Health program, established in 1990, offers a program of study leading to the Ph.D. degree. It focuses on how biological, behavioral, socio-cultural, and environmental variables interact to influence health.

The program is interdisciplinary, with faculty affiliates from Exercise and Sport Science, Human Development and Family Studies, Nursing and Nutrition.

Michael Conti has been appointed food and beverage manager and director of catering at the Nittany Lion Inn at University Park.

He is responsible for the operation of the Food Service Department, including supervising food service personnel responsible for banquets and catering, food and beverage and kitchen areas as well as planning and booking catered events at the Nittany Lion Inn and other locations.

Michael Conti

Employed by Conti Cross Keys Inn Inc. in Doylestown for more than 12 years, Mr. Conti served as banquet manager, reservations manager, personnel manager, food and beverages manager and vice president of operations.

In addition, he founded Conti Inn Famous Cheese Spread Inc., a cheese manufacturing, packaging and distribution company.

Mr. Conti received a bachelor's degree in speech communication from Penn State in 1979 and is a member of the National Restaurant Association.

News in Brief

Educational Office Personnel

Joyce Gilbert, assistant professor of nutrition, will present a program on exercise and dieting at a meeting of the Penn State Chapter of Educational Office Personnel at 12:10 p.m. Thursday, April 16, in 256 Hammond Building at University Park.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, staff non-exempt, clerical and technical services employees. It is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Office Personnel.

Subjects sought

A University faculty member is seeking subjects who are non-anxious and non-depressed to participate in an interview, complete some questionnaires, and participate in a laboratory session involving brainwave, heart rate and respiration recording.

Payment will be provided for the three to four hours involved. If you are interested in participating, send a letter to **Thomas Borkovec,** Department of Psychology, University Park, including your name, address, phone number, age, sex, race, and education level. If you prefer, you may call 865-1725 and leave the information with the staff.

Conference scheduled

An international conference on "Latent Variables Analysis in Developmental Research" will be held May 4-6 in the Keller Conference Center at University Park.

Conference participants will represent universities throughout the United States and Europe. The conference will cover the following: causality and latent variables analysis; latent variables analysis for continuous variables, and latent variables analysis for discrete variables.

For more information, contact **Alexander von Eye,** Department of Human Development and Family Studies, S-211 Henderson Building, University Park, 865-3253, or **Clifford C. Clogg,** Population Issues Research Center, 22 Burrowes Building, University Park, 865-6802.

Parent support group

Penn State parents are invited to attend noontime group meetings scheduled from noon to 1 p.m. May 13, 20, 27, and June 3 at 319 Rider Building (other locations will be considered if persons make requests).

Each meeting will include a short presentation on different parenting topics. There will be lots of time to share ideas on what works and what doesn't work.

For more information or to receive a registration form, call Child Care Program Services at 865-5886. Registration will be required to attend. The meetings are sponsored by Centre County Cooperative Extension and Child Care Program Services in the Office of Human Resources.

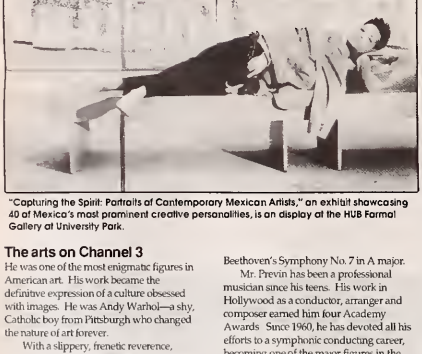
Focus on the arts

Featured author

Dwight Landis, author of *Trout Streams of Pennsylvania, An Angler's Guide*, will be the featured author at the Penn State Bookstore on Campus from noon to 2 p.m. Friday, April 10.

Trout Streams of Pennsylvania (Hempstead-Lyndell, 1991) is a comprehensive guide to the great variety of trout fishing available in Pennsylvania. In its 232 pages, the book describes over 300 trout streams, ranging from tiny brook trout streams to large trout rivers such as the Delaware and Youghiogheny.

The public is invited to meet the author and receive a 20% discount off the regular price of *Trout Streams of Pennsylvania* during the book-signing and fly-tying demonstration



"Capturing the Spirit: Portraits of Contemporary Mexican Artists," an exhibit showcasing 40 of Mexico's most prominent creative personalities, is on display at the HUB Formal Gallery at University Park.

The arts on Channel 3

He was one of the most enigmatic figures in American art. His work became the definitive expression of a culture obsessed with images. He was Andy Warhol—a shy, Catholic boy from Pittsburgh who changed the nature of art forever.

With a slippery, frenetic reverence, Academy Award-winning filmmaker Chuck Workman weaves together old interview footage, new interviews, excerpts from Warhol's films, and rapid-fire montages of the artist's iconic oeuvre in "Superstar: The Life and Times of Andy Warhol" which premiers as an American Masters special airing at 10 p.m. Friday, April 10, on WPSX-TV.

The Creative Spirit, airing at 8 p.m. Monday, April 13, defines creativity and the human qualities that bring it to life in "Creative Beginnings."

Bach's Lunch

Six students from the voice studios of Richard Davis and Richard Kennedy of the School of Music faculty will perform in concert at 12:10 p.m. Thursday, April 23, in the Helen Eakin Eisenhower Chapel at University Park as part of the Bach's Lunch Concert Series.

The program will include selections from "Don Pasquale," by Donizetti; "Manon," by Massenet; "The Consul," by Menotti; "The Barber of Seville," by Rossini; "Vanessa," by Barber, and "The Marriage of Figaro," by Mozart.

Members of the audience are invited to take brown bag lunches to eat in the Informal Lounge after the performance. Coffee and tea will be provided.

Previn to conduct

Internationally acclaimed maestro Andre Previn will conduct the Dresden State Orchestra at 8 p.m. Friday, April 24, in Eisenhower Auditorium at University Park.

The program will include Strauss' "Don Juan" and "Death and Transfiguration" and Beethoven's Symphony No. 7 in A major.

Mr. Previn has been a professional musician since his teens. His work in Hollywood as a conductor, arranger and composer earned him four Academy Awards. Since 1960, he has devoted all his efforts to a symphonic conducting career, becoming one of the major figures in the musical world.

The Dresden State Orchestra was founded in 1548 as an ensemble of court choristers. Its first recorded concert tour occurred in 1575. Under the direction of Maestro Heinrich Schütz in the 17th century, the orchestra became famous throughout Europe.

To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255 Monday through Saturday.

Concert Band

The Penn State Concert Band will present its 16th annual Spring Concert at 7 p.m. Thursday, April 30, in the Ballroom of the Hetzel Union Building at University Park.

The program will feature several significant original works for concert band, including Symphony No. 2, by John Barnes Chance, "Psalm for Band," by Vincent Persichetti and "American Overture," by Joseph Willcox Jenkins.

Also on the program will be a transcription of Bach's Fugue in G Minor (The Little), Third Suite, by Robert Jager, "Havendance," by David Holsinger, the Norwegian march, "Valdres," Fillmore's "The Klaxon" march and Percy Grainger's "Ye Banks and Braes O'Bonnie Doon."

The band is directed by O. Richard Bundy, assistant professor of music education and associate director of the Blue Band. He will be assisted by Douglas Orzolek, a graduate student in the School of Music.

The concert is free to the public.

Pianist to perform

Timothy Shafter, assistant professor of music, will perform in concert at 8 p.m. Friday, May 1, in the School of Music Recital Hall at University Park.

The program will include Chopin's Nocturnes Op. 9 Nos. 1 and 2, Beethoven's Sonata in D, Op. 10 No. 3 and Lizst's transcriptions of six Paganini violin etudes.

The concert is free to the public.

Photography exhibit

"Capturing the Spirit: Portraits of Contemporary Mexican Artists"—an exhibition of photographs by Carole Patterson showcasing 40 of Mexico's most prominent creative personalities – is on display at the Formal Gallery in the Hetzel Union Building through May 3.

"Capturing the Spirit" has been organized by the Smithsonian Institution Traveling Exhibition Service (SITES) and will travel nationally under SITES' auspices through August 1994. The exhibition portrays Mexico's creative vitality and offers a broader perspective on Hispanic influences in contemporary culture.

Ms. Patterson is known for her careful attention to light and composition and her work is admired for its power to reveal the personality of each subject. The photographs in the exhibition are intended to increase awareness of the complexity and cultural diversity of Mexico.

The exhibit is sponsored by the Equal Opportunity Planning Committee, and the Office of Union Programs and Operations. Formal Gallery hours are: Monday—Closed; Tuesday-Thursday, noon to 8 p.m.; Friday-Sunday, noon to 4 p.m.

Odyssey on WPSU

The ancient land and the ethnic puzzle of Macedon—a land without written literature and whose language remains unknown—is the subject of the next Odyssey Through Literature broadcast, "In the Shadow of Olympus."

Eugene Borza, professor of ancient history, describes for host Leonard Rubinstein, professor emeritus of English, "The emergence of the Macedonians from the shadow of a higher Greek culture" through the work of Philip II and his son, Alexander the Great.

"Alexander," says Dr. Borza, "has held the European imagination in every historical period since he died 2,500 years ago. He has emerged into the western consciousness not as a man, but as a metaphor of success."

Odyssey Through Literature is produced by the Department of Comparative Literature and airs on Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

Orchesis concert

Orchesis, a student-run dance company under the artistic direction of Patricia Heigel-Tanner, will present its spring concert at 8 p.m. April 10 and 11 and 2:30 p.m. April 11 and 12 in the White Hall Dance Theater at University Park.

The company, which studies dance as an art form, choreographs and performs two concerts each year.

"The spring concert exemplifies a range of difference in dance styles and how these styles can be combined to complement each other," Ms. Heigel-Tanner said.

"The 12 new pieces reflect the company's diverse talents in ballet, jazz and modern styles of dance."

Tickets are available at the door and are $3 for students and $4 for general admission.

Arts at . . .

Altoona Campus

The Penn State Altoona Campus Theatre Department will present "Once Upon a Mattress" at 5 p.m. Sunday, April 12, at the campus.

Contributions from the pay-what-you-can admission price will benefit the Home Nursing Agency's AIDS Intervention Project and the American Cancer Society.

DuBois Campus

The Penn State DuBois Poets and Writers Society (P.A.W.S.) will host author Dave Kress of Bellefonte as he presents a public reading of his original works at the campus Thursday, April 16. In addition to the public reading, Mr. Kress plans to visit a creative writing class.

The public is invited to hear the reading scheduled for the Smeal Conference Room at 8:30 p.m. Refreshments will be provided and there is no charge for admission.

Hazleton Campus

Prize-winning photos from the Outdoor Writers Association of America are on exhibit at the Penn State Hazleton Campus Library during April. Black-and-white and color photos showcase the world of out-of-doors, from the stillness of the Yukon and the Alaskan wilderness to the savage strike of a muskellunge.

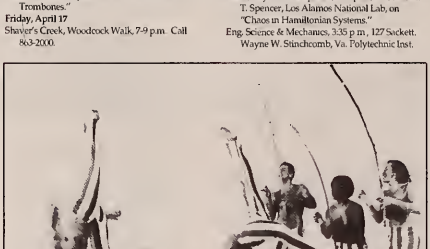
The exhibit displays the photos in five categories: scenic, flora, people, action, and fauna. Among this year's winners are many of the country's best known wildlife and nature photographers. The exhibit travels across the United States annually, and the competition is funded by Nikon Sports Optics.

University Park Calendar

April 9 - April 19

Special Events

Thursday, April 9
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Mallet Ensemble.
Thomas More Association, 7:30 p.m., Eisenhower Chapel. Michael Schwartz will speak on "Anti-Catholicism in America: The Persistent Prejudice."
■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Dance Brazil."
Friday, April 10
Geog. Coffee Hour, 4 p.m., 319 Walker. Eric Feige, West Point Military Academy, on "Geography Instruction at the U.S. Military Academy." Refreshments, 3:30 p.m.
Shaver's Creek, 7-9 p.m., Voices in the Night. Call 863-2000.
22nd Annual Dotterer Lecture, 8 p.m., Assembly Room, Nittany Lion Inn. Richard G. Swinburne, Univ. of Oxford, on "God and Time."
School of Music, 8 p.m., Schwab Aud. Penn State Concert Choir/Chamber Singers.
Saturday, April 11
Phi Pis 500.
External Funding Roundtable. Reservations, Leah Witzig, 863-1663 by April 8.
Shaver's Creek, 8-11 a.m., Pledge-A-Bird. Call 863-2000.
School of Music, 8 p.m., Eisenhower Aud. Penn State Symphonic Band.
School of Visual Arts, 8 p.m., Keller. Graphic Design Film Folies.
Sunday, April 12
Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Write on Centre County."
Shaver's Creek, 2-4 p.m., Weather Wonders. Call 863-2000.
School of Music, 2 p.m., Recital Hall. Women's Chorus. Also 4 p.m., The Castalia Trio.
Carnegie Hall Film Series, 7 p.m., The Big Knife (1955); 9 p.m., The Big Combo (1955). Free.
Monday, April 13
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Alan Stoehl.
■ Writers Reading Series, 8 p.m., 101 Kern. Shahid Agha Ali, poet and translator.
School of Music, 8 p.m., Recital Hall. Penn State Percussion Ensemble.
Tuesday, April 14
Children and Television mini conference, 9 a.m.-4 p.m., Room 1, Nittany Lion Inn. Aletha Huston, Univ. of Kansas, on "Reality and Fiction on Television: What Children Understand and What They Learn;" John Wright, Univ. of Kansas, on "Uses and Abuses of Video Technology in Psychological Research with Children;" and Valerie Lovelace, Sesame Street Research, Children's Television Workshop, on "Behind the Scenes with Sesame Street Research."
Art History Lecture Series, 8 p.m., 112 Walker. Ralph T. Coe, art historian, Santa Fe, on "Native American Arts: Change with Continuity, 1965-1990."
Wednesday, April 15
Shaver's Creek, Tales For Tots, 9:30-10:30 a.m. Also April 22 and 29. Call 863-2000.
URTC, 8 p.m., The Playhouse. "Peer Gynt," student preview. Also April 16.
School of Music, 8 p.m., Eisenhower Aud. Penn State Philharmonic.
Thursday, April 16
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice Students of Suzanne Roy: Lenten Music.
Penn State Chapter of Educational Office Personnel, 12:10 p.m., 256 Hammond Building. Program on exercise and dieting presented by Joyce Gilbert, assistant professor of nutrition.
Six Feminist Scholars Lecture Series, 7:30 p.m., Paul Robeson Cultural Center. Patricia Hill Collins, Univ. of Cincinnati, on "The Challenge of Black Feminist Thought."
School of Music, 8 p.m., Recital Hall. "Festival of Trombones."
Friday, April 17
Shaver's Creek, Woodcock Walk, 7-9 p.m. Call 863-2000.



DanceBrazil will perform the dazzling martial arts dance " Capoeira" at 8 tonight in Eisenhower Auditorium at University Park. "Capoeira," which traces its roots to Angolan slaves in Brazil, includes a dramatic array of somersaults, handsprings, and half-kicks exacted with deadly force.

URTC, 8 p.m., The Playhouse. "Peer Gynt," through April 25.
Saturday, April 18
Shaver's Creek, Nature Crafts For Kids, 9-11:30 a.m. Call 863-2000.
Sunday, April 19
Shaver's Creek, Wildflower Walk, 2-4 p.m. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Touch of Evil (1958); 9 p.m., MacBeth (1948), Carnegie Cinema. Free.

Conferences

Continuing Education
Keller Building
April 9. Sports Medicine Clinic. Frank Rocco, chair; Kathy Karchner, coordinator.
April 9. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator
April 9-10. An Integrated Hypnotherapeutic Approach to Sexual Trauma. Bill Stemer, coordinator.
April 9-11. Early Adolescence and the Media. Bea Mandel, chair; Jack Sinclair, coordinator.
April 10. R. Hadly Waters Logistics Transportation Symposium. Robert Novack, chair; Chuck Herd, coordinator.
April 10-11. Football Coaches Clinic. Frank Rocco, chair; Kathy Karchner, coordinator
April 12-17. U.S. Health Services—Dutch Students. Marshall Rafiel, chair; Bill Stemer, coordinator.
April 13. An Assessment Summit: The Status of Diversity at Penn State. Daniel Davis, chair; Roger Maclean, coordinator.
April 15. FAA Accident Prevention Seminar. Paul Hornack, chair; Eric Loop, coordinator.

Seminars

Thursday, April 9
Math/Physics Colloquium, 3:30 p.m., 55 Osmond. T. Spencer, Los Alamos National Lab, on "Chaos in Hamiltonian Systems."
Eng. Science & Mechanics, 3:35 p.m., 127 Sackett. Wayne W. Stinchcomb, Va. Polytechnic Inst.
URTC, 8 p.m., The Playhouse. "Peer Gynt, through April 25.
Saturday, April 18
Shaver's Creek, Nature Crafts For Kids, 9-11:30 a.m. Call 863-2000.
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April 13. An Assessment Summit: The Status of Diversity at Penn State. Daniel Davis, chair; and State Univ., on "Fatigue Performance of Ceramic Composite Tubes."
Biology, 4 p.m., 8 Mueller. James Nitao, Mich. State Univ., on "Physiological Adaptations of Herbivores to Plant Chemistry."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Tomasz Letowski on "High Frequency Testing and Presbycusis."
Friday, April 10
School of Forest Resources, 11:15 a.m., 15 Tyson. Ramsey Smith, Appalachian Expert Center for Hardwoods, on "Hardwoods in European Markets: From Logs to Dimension."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Bin Chen.
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences & Industries. Sydha Salihu on "Use of Cover Crops to Reduce Nitrogen and Herbicide Input."
Speech Communication Colloquium, 4:30-6 p.m., 207 Chambers. Susan C. Jarrat, Miami Univ. of Ohio, on "Topos and Gender: A Feminist Reading of Aristotle's Logical Proofs."
Tuesday, April 14
Inorganic-Organic, 1:15 p.m., 55 Osmond. Thomas Kodadek, Texas, on "Controlling Catalyst Activity: A Central Problem in Chemistry and Biology."
Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center Aud. Jan B. Talbot, Univ. of Calif. at San Diego, on "Electrophoretic Deposition for Processing of CRT."
Chemistry Colloquium, 3:30 p.m., 55 Osmond. Dietmar Seyferth, MIT on "Preceramic Polymer Routes to Ceramics."
Geosciences, 4 p.m., 112 Walker. Taro Takahashi, Lamont-Doherty (ESSC), on "Oceanic and Terrestrial Sinks of Anthropogenic CO_2."
Biology, 4 p.m., 8 Mueller. Robert Robichaux, Univ. of Arizona, on "Diversity, Evolution, and Conservation of the Hawaiian Silversword Alliance (Compositae)."
Wednesday, April 15
Analytical Chemistry, 11:15 a.m., 55 Osmond. Hans Veening, Bucknell Univ., on "Selective HPLC Detection of Biomedically Important Compounds." Refreshments, 11 a.m.
■ Science, Technology and Society Spring Colloquium, 12:10-1:10 p.m., 130 Willard. Peter Cookson on "Education and Training as Technology in Nicaragua and Costa Rica."
History Colloquium, 4 p.m., Memorial Lounge, Eisenhower Chapel. Keith Taylor, Cornell Univ., on "Deconstructing History to Recover the Past, The Vietnam Case."
Thursday, April 16
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Deborah A. Freund, Indiana Univ., on "Outcome Assessment in Patients with Knee Arthritis: Preliminary Findings From the Total Knee Replacement PORT."
Mueller Lecture, 8 p.m., 119 Osmond. Norton D. Lang, IBM T.J. Watson Research Center, on "Contemporary Problems in Surface Problems."
Friday, April 17
Physics Colloquium, 11 a.m., 55 Osmond. Norton D. Lang, IBM T.J. Watson Research Center, on "Fundamental Problems in Scanning Tunneling Microscopy."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Janice Hicks, George Washington Univ., on "New Developments in Surface Studies Using Lasers."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Jinchuan Chen on "Effects of Cell-Wall Phenolic Acid Biodegradation on Quality Improvement of Corn Stover."

Exhibits

Hetzel Union Art Galleries:
Formal Gallery:
■ Portraits of Contemporary Mexican Artists, through May 3.
Art Alley Cases and Art Alley Panels:
Scholastic Art, through April 19
Browsing Gallery:
Irene Pesan, through April 26.
Kern Galleries
"Fiber Art," Leagh Anderson, through April 30
"Southwestern Jewelry", Denise Ariew, through May 4.
Patter Library
Main Lobby:
"Coal Collection Treasures from the Historical Collections and Labor Archives," through May 22.
Rare Books Room:
The Thought of W.E.B. DuBois, through May 30.
The Medieval City Under Siege: Urban Warfare in the Middle Ages, through May 30.
Zoller Gallery
"Master of Fine Arts Thesis Exhibition," through April 19

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories.
■ **Reflects an international perspective**

Penn Staters

Eric J. Barron, professor of geosciences, has been appointed to the committee on the Human Dimensions of Global change. The committee is under the direction of the National Research Council, Commission on Behavioral and Social Sciences and Education.

Gordon Blood, associate professor of communication disorders in the College of Health and Human Development, has been elected coordinator of the stuttering division of the American Speech-Language-Hearing Association.

Hector E. Flores, associate professor of plant pathology, has been awarded $120,000 from the National Science Foundation for his research project, "Underground Metabolism and Development: Polyacetylene Biosynthesis in Asteraceae Roots."

Patrick Forsyth, associate professor of education and executive director of the University Council for Educational Administration, has been elected to chair the National Policy Board for Educational Administration.

Joseph Goldberg, associate professor of industrial and management systems engineering, is one of 16 engineering educators nationwide to receive a 1992 Society of Automotive Engineers Teetor Educational Award.

Martha Halsey, professor of Spanish and editor of the Spanish theater journal Estreno, has received two grants from the Program for Cultural Cooperation between the Spanish Ministry of Culture and universities and from the Embassy of Spain in the United States to begin to edit and publish a collection of plays in English translation. The series, titled "Sterno Contemporary Plays," will focus on works in the new democratic Spain of the last 15 years.

J.D. Hammond, dean of The Smeal College of Business Administration, has been appointed chair of the American Assembly of Collegiate Schools of Business' Committee on Diversity in Management Education.

Erdener Kaynak, professor of marketing at Penn State Harrisburg, presented a keynote talk on "Current Status and Future Directions of Research in Global Marketing" at the World Business Congress in Halifax, Nova Scotia.

Anil K. Kulkarni, associate professor of mechanical engineering, has received the "Research Award for Foreign Specialists" from the Building Research Institute, Ministry of Construction, Japan.

Bill Mahon, director of Public Information, has been re-elected president of the College and University Public Relations Association of Pennsylvania. The association, which was founded by Penn State in 1980, includes representatives from approximately 100 colleges and universities around the state.

Barnes McCormick Jr., professor emeritus of aerospace engineering, has been elected an honorary fellow of the American Helicopter Society.

Gary L. Messing, director of the Center for Particle Science and Engineering, was a plenary speaker at the international PARTEC '92 meeting in Nurnberg, Germany, where he presented a lecture on "Powder and Forming Requirements for the Production of Advanced Ceramics."

Robert E. Newnham, Alcoa professor of solid state science at the Materials Research Laboratory, delivered an invited speech on "Multifunction Electroceramics" at the International Forum on Fine Ceramics in Nagoya, Japan.

Allan Quigley, assistant professor of education, has been invited by the Pennsylvania Department of Education to serve on a special task force to help develop a master plan for the professional development for adult education literacy staff across Pennsylvania.

Raja V. Ramani, professor of mining engineering and head of the Department of Mineral Engineering, has been appointed a member of the Mine Safety and Health Administration's Belt Air Advisory committee for 1992.

Karen Robblee, assistant professor of Russian languages, has been accepted into the 1992 International Research and Exchanges Board Summer Language Program at Moscow State University.

Peter A. Rubba, associate professor of science education, has been elected to a three-year term as president-elect (1992-93), president (1993-94), and past-president (1994-95) of the Association for the Education of Teachers in Science, a national organization for science teacher educators.

Edmund Short, professor of education, has received the Outstanding Research and Publication Award from the Pennsylvania Association of Supervision and Curriculum Development, for his work with the *Journal for Supervision and Curriculum Development* and for his new book, *Forms of Curriculum Inquiry*, published by the State University of New York Press.

Merwin L. Weed, professor of engineering at the Penn State McKeesport Campus, has received the 1992 Outstanding Teaching Award from the American Society for Engineering Education, North Central Section.

Bookshelf

Gary W. Gallagher, professor and head, Department of History, is editor of *The First Day at Gettysburg: Essays on Confederate and Union Leadership*, published by The Kent State University Press.

The Battle of Gettysburg exerts a unique hold on the national imagination. Successive generations of historians have not exhausted the topic of leadership at Gettysburg, especially with regard to the first day of the battle.

According to Dr. Gallagher, this initial phase of the contest offers the most interesting problems of leadership, including Lee's strategy and tactics; the conduct of Confederate corps commanders Richard S. Ewell and A.P. Hill; Oliver Otis Howard's role on the Union side, and a series of notable debacles among Lee's brigadiers.

Drawing on a range of sources, the contributors to *The First Day at Gettysburg* combine interpretation and fresh evidence that should challenge students of the battle, Civil War buffs, and military historians to reconsider their understanding of the events of July 1, 1863.

Denise Foran, director of university relations at the Penn State Schuylkill Campus, is editor of *Schuylkill Scenes and Profiles*.

The 36-page volume contains the photographs and accompanying descriptions in the permanent exhibit of "Schuylkill Scenes and Profiles," which was unveiled at the campus in 1989.

Schuylkill Scenes and Profiles, the book and the wall display, features more than 70 photographs, each re-telling an aspect of Schuylkill County history.

"The original exhibit was done as a community service in honor of the campus' 55th anniversary," Mrs. Foran said. "It also was done in an effort to preserve Schuylkill County's rich heritage.

"Many visitors to 'Schuylkill Scenes and Profiles' had expressed an interest in obtaining this or that photograph or in seeing the entire collection in print. This booklet is an attempt to answer those needs."

Copies of the publication, which is dedicated to the heritage and spirit of the people of Schuylkill County, may be obtained through the Office of University Relations at the Schuylkill Campus.

Stephen Gordon, assistant professor of education, is the author of *How to Help Beginning Teachers Succeed*. Published by the Association for Supervision and Curriculum Development, the book explains how school and district personnel can best help beginning teachers.

Dr. Gordon explores the struggles faced by new teachers — nearly half of whom drop out of teaching during their first seven years — and provides research-based plans for helping them make the most of their initial teaching years.

He proposes pairing beginners with mentors and setting up support teams that include school and district personnel as well as members from the community and higher education. These inexpensive practices have a proven track record for improving beginning teachers' skills, attitudes, and chances of fulfilling their potential as educators.

Edwin L. Herr, distinguished professor of education and head, Department of Counselor Education, Counseling Psychology, and Rehabilitation Services, is co-author of *Career Guidance and Counseling Through the Life Span: Systematic Approaches*.

Published by Harper Collins, the book analyzes national and international models of career guidance and counseling; theories of influences on and the unfolding of career behavior; the career development of children, adolescents and adults; special career problems; interventions appropriate in schools, college and universities, and work places; and the state of research pertinent to career theory, methodologies, and populations.

A revised edition of **Wilbur Zelinsky's** 1973 book, *The Cultural Geography of the United States*, has been published by Prentice Hall. The edition features a new fifth chapter describing and interpreting changes in American cultural patterns from the 1970s to the present, and significantly updates the annotated chapter, "Selected References," and related factual information. Dr. Zelinsky is emeritus professor of geography.

Focus on Research

Computer maps way for University students

University students will soon benefit from a computer-drawn campus map that includes accurate distances and estimated walking times.

A student parking map and a wheelchair accessibility map hit the streets last summer. The new campus map should be available late this year.

"The existing campus map is a three-dimensional perspective representation," said **David DiBiase**, associate director of Deasy GeoGraphics Lab. "We are creating a three-dimensional planimetric representation in which proper scale relations are preserved.

"Traditionally, cartography has involved hand engraving and photoprocessing," he added. "However, the future of cartography is now computer graphics and computer generated negatives."

For years, Penn State's campus maps were produced by an engineering company using a very progressive, but very expensive process.

"When we first thought of doing an in-house campus map, the investment in the old process was too high to warrant switching to our system," said Mr. DiBiase. "But, when it came time to completely redo the existing map, it was easier to convince people to switch."

Expense also is a concern among commercial cartographers. Frequently, the switch to computers must wait until the time when a completely new set of films normally would be produced.

Penn State's existing maps are updated by hand on a large black-and-white art board.

Until recently, computer graphics have been inadequate for producing high-quality, large-sized maps, but in the last two to three years, the technology has equaled or surpassed traditional methods. Penn State's map, which measures 24 by 18 inches, is the first campus map of this size to be done completely by computer, according to Mr. DiBiase.

"Up until recently, we could not have done the total map production on the computer," he said. "Now, with changes in the technology, the software we have can directly produce the four-color separation negatives we need for printing."

"Most of the work in the GeoGraphics lab is done by students," added Mr. DiBiase. "It takes years for people to become expert at film engraving, but students can learn to do high-quality work on the computer very quickly."

Deasy GeoGraphics Lab uses Macintosh computers, two commercially available computer aided design packages — one for two dimensions and one for three dimensions — and a graphics design package.

The computer map-making work requires a combined knowledge of maps and mapping, printing and production and, for the three-dimensional icons, building design.

Ron Sill, an architecture student, is creating the tiny, three-dimensional buildings that will dot the map. He understands the necessity of balancing architectural details with executable simplicity. The engineering wire-frame representations of campus buildings produced by the CAD package are modified so buildings are easily identifiable, but not so detailed as to be cluttered.

"The new map still will be three dimensional, but on a planimetric base so there will be a consistent scale," said Mr. DiBiase. "We also would like to include the actual distances between specific places and the estimated walking times."

The airport and other remote sites will be shown in insets.

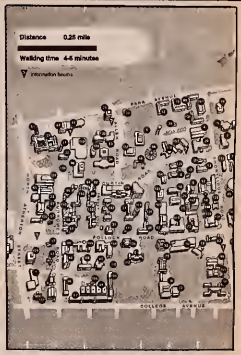
"Initially, creating the campus map on computer will not be any less expensive than using the old method," Mr. DiBiase said. "However, the second printing and the other customized products, like parking maps, access maps and the black and white, throwaway maps, we were able to produce for summer graduation, will not only be less expensive, but produced more quickly."

Deasy GeoGraphics Laboratory, directed by **Alan M. MacEachren**, associate professor of geography, will be responsible for updating and maintaining the map data base.

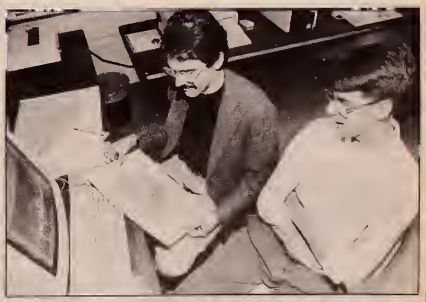
"We originally began by using digital data from the people who run our physical plant," said Mr. DiBiase. "But by now we have completely redigitized the entire campus and incorporate any changes as they come along.

"The absence of a link between the index and the map icons currently is a problem. If we erect a new building, we have to manually change all the index numbers on the buildings to keep numbering alphabetical," he added. "We soon will be able to link the building names and numbers with the map location so this renumbering would happen automatically.

– A'ndrea Elyse Messer



A portion of the new University map, complete with distance estimates and walking time



Dave DiBiase (left) and Ron Sill, creators of the new computer-drawn campus map. (Photo by Greg Grieco)

Awards

Howard B. Palmer Award

Department head honored for mentoring skills

Dennis S. Gouran, head of the Department of Speech Communication, received the Howard B. Palmer Faculty Mentoring Award.

Established in 1991, the Palmer Award honors outstanding work in guiding professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School from 1985 until his retirement in 1991.

After receiving his doctorate from the University of Iowa, Dr. Gouran taught at Indiana University for 16 years. At Indiana University, he was director of both undergraduate and graduate studies in speech communication and was acting department chair. In 1984, he came to Penn State as professor and head of the Department of Speech Communication.

A specialist in communication theory and group decision making, Dr. Gouran has published more than 100 books, book chapters, refereed articles and reviews dealing with decision making in groups.

He has received the Central States Speech Association Outstanding Young Teacher Award (1973), the Speech Communication Association Robert J. Kibler Award For Professional Excellence (1985) and the Speech Communication Association of Pennsylvania Speaker of the Year Award (1990).

Dr. Gouran has served as editor of the *Central States Speech Journal*, president of the Central States Speech Association and president of the Speech Communication Association. This month (April), his career will be featured in a special program sponsored by the Communication Theory Division of the Central States Communication Association at its annual convention.

A colleague wrote: "He was the voice of reason whenever I needed advice on how to pursue tenure. On countless occasions, he guided me past the hidden pitfalls." Another said, "In the five years I have known Professor Gouran, he has been an unfailing model of professional, scholarly and humanitarian values."

Recent rankings of departments published between 1988 and 1990 place Penn State's Department of Speech communication among the top 10 in the United States and third in research productivity.

Dennis S. Gouran

A dozen faculty fellowships awarded

The Institute for the Arts and Humanistic Studies has awarded 12 Faculty Research Fellowships for July to December 1992. The recipients are:

- **Kumkum Chatterjee**, assistant professor of history, to prepare a monograph, "Socio-political Repercussions of British Colonial Rule: The Merchant in North-Eastern India, 1772-1820."
- **Margaret Christian**, assistant professor of English, to prepare an essay of introduction to an anonymous Elizabethan sonnet cycle, Zepheria
- **Sharon Dale**, assistant professor of art history, to research for a monograph on the Arca di Sant' Agostino at the Church of San Pietro in Pavia, Italy.
- **Charles Garoian**, associate professor of art education, to continue research for a book on the mission and collections of the Children's Museum of Art in Erevan and the curriculum of the Aesthetic Education Centers in Armenia.
- **Patricia Johnson**, assistant professor of humanities and literature, to do research for a book on the portrayal of British working-class women in the 1840s.
- **Gerald Lang**, associate professor of art, to do research for a book, *The Painted Photograph*.
- **James Lyon**, assistant professor of music, to study Alban Berg's Violin Concerto with Louis Krasner at the New England Conservatory.
- **Laura W. Macy**, assistant professor of music, to study unified collections of the Italian Madrigal, 1850-1610.
- **William Petersen**, assistant professor of religious studies, to continue research on the lost Diatessaron, a conflation of the four gospels written about 170 C.E.
- **Evelyn Pluhar**, associate professor of philosophy, to complete a book, *The Moral Significance of Humans and Other Animals*.
- **Lanny Sommese**, professor of art, to execute a series of 10 posters, "Endangered Species."
- **Christopher Staley**, assistant professor of art, to produce and exhibit ceramic pieces for shows in Michigan and New York City.

International commission recognizes young scientist for work in glass

The University and the International Commission on Glass have announced the presentation of the 1992 Woldemar A. Weyl International Glass Science Award to **Yuichi Watanabe**, a research associate at Nagaoka University of Technology in Japan.

The prestigious Weyl Award is made every three years to recognize a young scientist whose work in glass science has shown ingenuity, initiative, and above all innovative thinking. Dr. Watanabe has demonstrated these outstanding qualities in his research by developing a new structural defect model which has accounted for the peculiarity of chalcogenide glasses in their electrical and optical properties.

The international award is made by the University and the International Commission on Glass to honor the memory of Woldemar A. Weyl, Evan Pugh research professor in physical science, and a member of the University faculty from 1938 to his death in 1975. Professor Weyl was known throughout the international community of glass scientists as an imaginative and innovative scholar and teacher, whose pioneering studies of colored glass formed the basis of later research into the constitution of glass.

Two in education are recipients of firm's award totaling $20,000 plus

Barbara L. Grabowski, associate professor of education, and **Eileen Schroeder**, graduate student in adult education, are the recipients of an Authorware Academic Award from Authorware Corporation. The award includes a one-year site license for 25 copies of *Authorware Professional, Essentials Training and Hotline Support* for one individual, and software updates for one year, valued at more than $20,000.

The award will be used for instructional and research purposes throughout the University system. Demonstration versions of applications developed at Penn State using this software will be showcased at academic conferences. Also, faculty will be asked to provide comparative information on other authoring tools and give references upon request to other institutions contemplating use of multimedia software.

Partings

Associate professor retires after 26 years

Howard F. Kingsbury

Howard F. Kingsbury, associate professor of architectural engineering, has retired after 26 years service.

Professor Kingsbury, an expert in architectural acoustics, specializing in noise and vibration control, founded and directed the Penn State-University of Leeds (England) Architectural Engineering Exchange Program. He is a founding member of the Institute of Noise Control Engineering and a registered professional engineer in Pennsylvania.

He is a Fellow of the American Society for Testing and Materials (ASTM), the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) and the Acoustical Society of America (ASA). He also received a Penn State Engineering Society Advising Award.

Professor Kingsbury applied his engineering background to community activities. He was vice chairman for the Centre County Airport Authority and a member of the Centre Region Building Code Appeal Committee. In addition, he was a Patton Township Supervisor from 1971 to 1981.

He spent 16 years at Pittsburgh-Corning Corporation in daylighting and acoustical research and also headed the Acoustical Laboratory. He then worked for Owens-Illinois Corporation as senior development engineer for one year before coming to Penn State in 1964.

Professor Kingsbury received his B.S. in glass technology from Alfred University in 1943 and his M.S. in ceramic science from Penn State in 1947.

During his retirement, he will continue his community service activities, consult in architectural acoustics as well as travel in his spare time.

Psychology professor ends service to University

Robert Seibel, associate professor of psychology, has retired after 27 years service.

Dr. Seibel's research focuses on cognitive psychology, belief systems, methodology and issues of human-computer interactions. He currently is developing a personal computer software system to train students in psychological experimentation and data evaluation.

He has published in journals such as the Journal of Applied Psychology and the Journal of Experimental Psychology, and has reviewed books and edited manuscripts in experimental design, statistics, research methods and introductory psychology.

Dr. Seibel graduated magna cum laude from the University of Syracuse in psychology with a minor in philosophy in 1951 and received a master's degree and doctorate from the University of Iowa in 1953 and 1955, respectively. He was a researcher for the U.S. Air Force and a staff psychologist at IBM, where his research led to the creation of a communication device, for which he holds a patent.

He joined the University faculty as an associate professor of psychology and educational psychology in 1964, after teaching for one year at the University of Massachusetts. He was named director of the Psychological Laboratories in 1966.

A Fellow of the American Psychological Association's division of applied experimental and engineering psychologists, Dr. Seibel also is a Fellow of the American Association for the Advancement of Science and the American Psychological Society.

Medical technologist draws 21-year career to close

John Spaeder, medical technologist at Hershey Medical Center, has retired after 21 years service.

Mr. Spaeder spent his entire time at the Medical Center working in clinical labs. He was brought on from the Hershey Hospital as a medical technologist and in 1971, he became a supervisor. After 15 years in that position he returned to his medical technologist job.

Mr. Spaeder said he will miss all the people he worked with, but he is staying busy and enjoying retirement. He serves as a committee member and institutional representative for Boy Scout Troop 108 at St. Joan of Arc Church. This summer, he and his wife are planning a trip to Anchorage, Alaska, to visit their son and his family.

John Spaeder

Supervisor at Hershey retires with 21 years

Gudrun "Goody" Scharek, dietary supervisor at the Hershey Medical Center, has retired after 21 years service.

"Goody" was among the first supervisors in the kitchen when it opened in September 1970. She believes her teaching background was helpful in a position in which she trained and supervised others.

She says she will miss her friends at the Medical Center. "I feel very close to many of the employees and love my co-workers."

In her future plans are a visit to Germany this year to see a friend she hasn't seen in more than 25 years. And when she returns?, "I hope to return to food services as a volunteer, distributing menus to patients."

Number of employees across the University system end service

Rebecca Dreibelbis, accounting clerk, Office of Corporate Controller, from Nov. 1, 1967, until Jan. 1.

Joseph J. Gardner, area landscaping maintenance, group leader, Office of Physical Plant, from May 1, 1950, until Jan. 1.

Alan J. Freyer, lecturer, Eberly College of Science, from March 1, 1974, until Feb. 9.

Earl C. Fuhrman Jr., strength training coach, Intercollegiate Athletics, from March 1, 1982, until March 1.

Stephen R. Harkaway, supervisor, IV addictive center at Hershey, from May 27, 1980, until Feb. 8.

Renee C. Harpster, secretary A, Commonwealth of Educational System, from July 1, 1957, until June 12, 1959; and from May 3, 1982, until Feb. 29.

Kenneth D. Harpster, systems project leader, Management Services in Computer and Information Services, from July 1, 1951, until Jan. 1.

John M. Jones, audio visual technician, Commonwealth Educational System, from Nov. 25, 1955, to April 30, 1956, and Sept. 20, 1964 to Jan. 1.

Mary V. Kling, clerk typist, Office of Physical Plant, from Aug. 1, 1968, until Jan. 1.

Mary O'Hara, secretary, Nittany Lion Inn, from Jan. 24, 1966, until Jan. 1.

Alfred E. Riling, maintenance utility worker, Office of Physical Plant, from Sept. 1, 1966, until Jan. 1.

Lawrence J. Sviben, group leader utilities equipment operator at Hershey, from Sept. 1, 1967, until Jan. 1.

George M. Taylor Jr., driver and service attendant, Business Services, from Nov. 1, 1958, until Jan. 18.

Partings

Speech training pioneer retires with emeritus status

Gerald M. Phillips, professor of speech communications in the College of the Liberal Arts, has retired with emeritus status after 27 years service.

Known for his innovative approaches to teaching and his pioneering program in speech training for the shy and apprehensive, Dr. Phillips was one of the founders of the Penn State Reticence Program, which has been offered for more than 25 years and which he describes in his latest book, *Communication Incompetencies: A Theory of Training Oral Performance Behavior*, published last year

Gerald M. Phillips

Author of 35 books, two due for publication soon, and more than 100 articles, he is editor of numerous books and governmental reports. He is also editor of *Teaching How to Work in Groups*, and co-author with Dr. J. Alfred Jones of *Communicating with Your Doctor: Rx for Good Medical Care*, which was published in 1990 and has been made into a five-part video.

Currently, his research interests include the development of artificial intelligence systems for the composition of discourse and a study of communication systems and processes in the practice of medicine.

Dr. Phillips received his bachelor's degree in speech and rhetoric from Adelbert College of Western Reserve University in 1949, his master's degree in speech and speech pathology and his doctorate in speech and rhetoric also from Western Reserve University in 1950 and 1956, respectively. In addition he has done post-doctoral work at Washington State University and Penn State.

He began his teaching career as an instructor in speech at North Dakota Agricultural College and taught as an assistant professor at Washington State University from 1958 to 1964. He joined the Penn State faculty as an associate professor in 1964 and was named professor in 1968. In addition, he has held visiting professorships at the University of Denver, Northwestern University, Portland State University and the University of North Carolina—Chapel Hill.

The father of four married children, Dr. Phillips has been active in community theater and served on the board of the Central Pennsylvania chapter of the American Civil Liberties Union. He currently is a member of the board of the AARP chapter and on the speech writing team for a presidential candidate.

Education professor ends 22-year career

Paul Welliver, professor of education, has retired after more than 22 years service.

Dr. Welliver began his carer at Penn State in 1969 as an assistant professor. He was promoted to associate professor in 1972 and to professor in 1975. He served for 20 years as professor-in-charge of the instructional systems program which he initiated. He was a senior member of the Graduate Faculty and director of the Information Technology Education for the Commonwealth Center.

He has served on many college and university committees, including the University Radio, TV and Film Committee, the Broadcast Options Committee, the Learning Center Committee, the University Task Force for the School of Communications, the University Videodisc Committee, the ad hoc committee for the Reorganization of the College of Education, and the Education Faculty Council, which he chaired for two years

Recipient of the National Science Teachers' Association Science Teacher Achievement Recognition Award, Dr. Welliver is listed in *"Leaders in Education"* and *"Who's Who in the East."* His professional affiliations include the Association for Educational Communications and Technology for which he served as president in 1983, Phi Delta Kappa, the National Science Teachers' Association, the National Association for Research in Science Teaching, the Pennsylvania Learning Resources Association, and Pennsylvania Citizens for Better Libraries.

Before joining Penn State, Dr. Welliver held numerous positions in instructional television. His education includes a B.A. in chemistry from Western Maryland College, and both M.Ed. and Ph.D. degrees from Penn State in secondary education.

In retirement, he will continue to develop and help to direct the Information Technology Education for the Commonwealth Center and serve as a trustee for the Educational Communications and Technology Foundation.

Paul Welliver

Regional director bows out after 23 years service

Joseph T. Perrino

Joseph T. Perrino, regional director of continuing education for the Southwest Region, has retired after 23 years service.

He joined the New Kensington Campus Continuing Education staff as an area representative in 1968, following positions as a claims supervisor for TransAmerican and Reliance insurance companies and as a public school teacher in the Kiski Area and Burrell schools.

Since 1987, he has served as regional director of continuing education for the Southwest, or Pittsburgh, Region. For the last one-and-a-half years, he also has served as director of continuing education for the Monroeville Center and for the New Kensington Campus, in addition to handling responsibilities for the Southwest Region. He was business manager for the Monroeville Center, as well.

During his career, he was responsible for the development and funding of the associate degree in science, with an emphasis in radiologic technology, and the paraprofessional medical aid program, in addition to numerous other programs at the New Kensington Campus. The radiologic technology program now is a resident education program.

A graduate of Vandergrift High School, he received a bachelor of science degree in education from Indiana University of Pennsylvania and a master's degree in English from Carnegie Mellon University.

At the University, he was a member of the University Faculty Senate Committee on Admissions, Records and Scheduling; the Calendar Conversion Committee for New Kensington, and the Continuing Education Council on Continuous Improvement and Statewide Management Council.

Currently, he is working part-time as a consultant in economic development and program management. He and his wife, Patricia, are the parents of Patricia Ann, a Penn State graduate, and Joseph.

Partings

Associate professor who began tenure in 1967 ends service

Paul E. Bell

Paul E. Bell, associate professor of education, has retired after more than 24 years of service.

Dr. Bell began his tenure with the University in 1967, when he was appointed assistant professor of education. He was promoted to associate professor of education in 1976.

He served on many committees and boards, including chair of the College of Education Faculty Council, the Interdisciplinary Committee on Environmental Education, the Department of Curriculum and Instruction Committee on Promotion and Tenure, the University's Biomedical Committee of the Human Subjects Institutional Review Board, the review board for the Nutrition Education Program, and the Senate Committees on General Education for the Natural Sciences and Curricular Affairs.

Before joining Penn State, Dr. Bell was a junior high school teacher in Eugene, Oregon; a senior high school teacher, also in Oregon, and an instructor at the University of Oregon.

His education includes a B.S. in biology and physical sciences education from Oregon State University, an M.S. in biology and health education and a D.Ed. in curriculum and supervision, both from the University of Oregon, Eugene.

Among his honors are: Phi Delta Kappa, Fellow of the American Association for the Advancement of Science, State Consultant to the Pennsylvania Department of Education, and U.S. Consultant to the National Science Foundation. In 1973-76 he received Outstanding Service Awards from the National Association for Research in Science Teaching for his three-year tenure as executive secretary.

His professional affiliations include the National Association for Research in Science Teaching, the American Educational Research Association, the Association for Supervision and Curriculum Development, the Council of Professors in Supervision, Association of Teacher Educators, the National Science Teachers' Association, and the National Society for the Study of Education.

After 30 years

English professor retires emeritus

Thomas H. Rogers, professor of English and fellow of the Institute for Arts and Humanistic Studies, has retired with emeritus rank after 30 years service.

His first novel, *The Pursuit of Happiness*, published by New American Library in 1968, was reprinted in paperback editions by Signet and Playboy Paperbacks and has been translated into German, Japanese and French. A movie based on his book was produced by David Susskind and released through Columbia Pictures. The book received a prize from the Friends of American Literature and was nominated for the National Book Award.

The Confessions of a Child of the Century, also nominated for a National Book Award, was published by Simon and Schuster and also reprinted by Signet and Playboy Paperbacks. An Italian edition was published in 1973.

At the Shores, nominated for the Pulitzer Prize, was published by Simon and Schuster in 1980, reprinted by Playboy Press and translated into French in 1984.

Dr. Rogers is currently working on sequel to *At the Shores*.

Dr. Rogers held a Guggenheim Fellowship in 1969-70, has been a guest at the Yaddo Foundation many times and was in residence at the Camargo Foundation in 1984 in Cassis, France.

At Penn State, he has served on numerous councils and committees, including the University Faculty Senate. His teaching has focused on fiction writing and he has supervised both undergraduate honors and graduate theses. A senior member of the graduate faculty, he was named professor in 1973 and fellow of the Institute in 1985.

Before joining Penn State, Dr. Rogers was an instructor and assistant professor at the University of Chicago from 1955 to 1961. He graduated cum laude from Harvard University in English history and literature in 1950, received a master's degree and doctorate in English from the State University of Iowa in 1953 and 1961, respectively.

Thomas H. Rogers

Joan Nessler

Associate professor of exercise and sport science completes 29 years of service

Joan Nessler, associate professor of exercise and sport science in the College of Health and Human Development, has retired after 29 years service.

Dr. Nessler came to the University in 1954 as assistant professor of physical education in the former College of Health, Physical Education and Recreation. After receiving her doctorate from the University in 1961, she held faculty positions at the University of Illinois and the University of Maryland. She also was an exchange teacher at the State University of California at Chico.

She returned to Penn State in 1967, and from 1969 to 1976 coached the women's tennis team and led them to the 1974 Middle States Championship. She was responsible for the team's adoption of the standardized six-singles, three-doubles format for women.

The current co-editor of the Health, Physical Education, Recreation and Dance Journal, she helped to form the Eastern Association of Intercollegiate Athletics for Women, a forerunner of the NCAA. In addition to serving as treasurer of EAIAW, she served on its committee to establish scholarship policies.

Her research focused on visual perception in motor learning, and she has written tennis and bowling computer tutorials and developed videotapes for physical education teachers. She now is producing a videodisc for intermediate tennis players.

In addition to her Penn State doctorate, she holds a bachelor's degree in political science from Wellesley College and a master's degree in physical education from the State University of Iowa.

Faculty Senate News

The University Faculty Senate will meet at 1:30 p.m. April 14, in Room 112 Kern Graduate Building.

Items to be discussed:

- Modification of Policy 82-20 Academic Policies, Rules and Procedures for Students
- Extended Reserved Parking at University Park
- Report of High School Non-Degree Students Enrolled During Summer 1990, Fall 1990, and Spring 1991
- Blue Sheet of April 1, 1992
- Creation of the Diversity Focused by Section Course (DFV)
- Proposed Policy on Privacy Rights
- Policy on Immediate Tenure
- Progress Report from the Special Committee to Review the University Faculty Senate
- Report of the Joint Faculty/Administrative Advisory Committee on Travel
- Report from the Joint Faculty/Administrative Committee on Faculty/Staff Club Feasibility
- Results of Senate Elections

Items discussed at the March 17 Senate meeting:

- Modification of Policy 82-40 and Addition of 82-44 Academic Policies, Rules and Procedures for Students
- Status of University Construction Projects
- Number of Undergraduate Students Dropped for Unsatisfactory Scholarship
- Proposal for Change in Procedures for Admission to Theatre Major
- Outreach at Penn State
- Technology Classrooms
- Blue Sheet of February 24, 1992
- Common Course Numbers for Special topics (097-098, 197-198, 297-298, 397-398, 497-498)
- Guidelines for Submitting One-Time Diversity Enhanced by Section (DEX) Course Offerings
- Editorial Changes in the Hearing Board Procedures for PS-76
- Faculty Salaries — Penn State vs. Similar Institutions
- Commonwealth Educational System: Enhancement Fund
- Elections Commission/Senate Office - Roster of Senators for 1992-93.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, April 16. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment Practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02282, Physician-in-Charge, Women's Health, Student Services, University Health Services, University Park Campus** — Responsible to the director, Clinical Services, University Health Services, to serve as physician leader to provide general medical and gynecology services for students and to supervise nurses and mid-level practitioners in a growing, innovative women's health department. Responsibilities include evaluating, promoting, conserving and maintaining the health of students, with special emphasis on female students. Requires a doctor of medicine degree from an accredited school of medicine with board certification or board eligibility in family practice, internal medicine, or obstetrics/gynecology, plus four to five years of previous effective experience in adolescent/young adult medicine. STAFF GRADE 10.

■ **02332, Proposal and Accounting Assistant, Senior Vice President for Research and Dean of the Graduate School, Population Research Institute, University Park Campus** — Responsible to the director, Population Research Institute, for providing administrative support in proposal preparation, budgeting, and accounting operations, and for the supervision of office staff. Requires an associate's degree, or equivalent, in accounting plus two to three years of effective experience. Knowledge of Lotus 1-2-3, Cost Proposal System, and familiarity with auxiliary accounting preferred. Familiarity with PHS and NSF guidelines for proposal preparation and administration of grants helpful. STAFF GRADE 5.

■ **02333, Technical Assistant, RTAP, Penn State Harrisburg** — Responsible for working with municipalities on traffic safety technology transfer, including sign inventory programs. Develop and deliver technical assistance workshops, and training materials. Requires bachelor's degree, or equivalent, in civil, transportation or related field of engineering or engineering technology, plus one to two years of effective experience. NOTE: (Travel is required. This is a fixed-term position funded for two years from date of hire). STAFF GRADE 6.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **April 16.**

■ **10309, Nursing Research Specialist, Nursing Research** — Responsible to the director, Center for Nursing Research, for providing direction to nurses regarding the design and implementation of nursing research projects, collaborating with the director on the design of methodologically complex studies, and the provision of research services to include the collection and analysis of data and the coordination of all research projects. Requires a M.S.N. (master's in nursing) from an accredited school of nursing plus one to two years clinical nursing experience. Independent or degree-related research experience required. Doctoral level course work desirable. Must be a licensed registered nurse in the Commonwealth of Pennsylvania. STAFF EXEMPT, GRADE 7.

■ **10291, Assistant Hospital Director, Information Systems, Department of Information Systems** — Responsible to the director, Ambulatory and Emergency Operations, for planning, developing and managing computerized information systems which serve the hospital, clinics and College of Medicine. This position participates in the formation of policies and procedures as a member of the senior management group of the hospital and is directly responsible for the articulation of all policies and procedures relating to hospital information systems. Requires a bachelor's degree in computer science, a scientific discipline or equivalency (master's degree preferred) plus 4 to 7 years of effective experience. STAFF EXEMPT, GRADE 9.

■ **10263, Manager, Speech and Language Pathology, Speech and Language** — Responsible to the assistant hospital director for directing the provision of diagnostic treatment and evaluative services to persons with speech difficulties through the day-to-day administration of the Speech and Language Pathology Department at the Hershey Medical Center. Requires a master's degree in speech pathology with certificate of clinical competence in speech pathology from the American Speech and Hearing Association plus 3 to 4 years of effective experience. STAFF EXEMPT, GRADE 7.

■ **10147, Recreational Therapist, Nursing/Psychiatry** — Responsible to the chief of the Psychiatric Inpatient Unit for the organization and conduct of a therapeutic recreational program in the Psychiatry Inpatient Unit to facilitate and complement the total psychotherapeutic treatment program for patients with emotional disorders. Requires a bachelor's degree in recreational therapy or equivalency plus 1-2 years of effective experience. STAFF EXEMPT, GRADE 6.

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William E. Campbell Jr., Editor
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INTERCOM

April 16, 1992 Volume 21, Number 29

Charting a course of action

Future Committee unveils guiding principles

The work of the University Future Committee appointed in March by President Joab Thomas has begun, according to John A. Brighton, executive vice president and provost, and chair of the committee.

"I am very optimistic about the contribution this group will make to Penn State over time," Dr. Brighton said. "We intend to keep the University community apprised as best we can as we move forward."

Dr. Brighton said the Committee is meeting weekly and has adopted a set of "Guiding Principles" under which it is working. He said the principles include the following:

- First and foremost, maintaining and improving the academic quality of the University.
- Searching Universitywide for possible budget reductions, with diligent efforts to avoid "across-the-board" budget reductions.
- Selective budget reductions should not only meet current needs, but also should provide resources for enhancement of programs of highest quality. When there are reductions, a portion of the funding ordinarily would remain in the unit for further enhancement of other programs in the unit.
- Selective budget reductions should be recommended to build on strengths, again placing academic quality as the first priority. Emphasis should be on programs and activities which:
  — will be most effective in meeting Penn State's overarching goals of quality and national reputation;
  — fulfill the greatest need in meeting the University's mission of teaching, research, and public service; and
  — maintain infrastructure and essential services.
- The Committee should consider budgetary savings possibilities for both the short term (1992-93) and the longer-term (three to five years).
- Enrollment reductions should not be identified as a means to cope with possible budget shortfalls because of the consequent loss of tuition revenue.
- The Penn State faculty's research program is in a growth mode; special opportunities to capitalize on that growth should be identified and brought forward. Possibilities for increased income in other areas should be explored as well.

See 'Future Committee' on Page 10

Former associate provost for University dies at age 67

Rosemary S. J. Schraer

Rosemary S.J. Schraer, chancellor of the University of California, Riverside and former associate provost and professor of biochemistry and biophysics at Penn State, died April 10, two days after suffering a severe stroke. She was 67.

"We share in the tremendous loss of Dr. Schraer," President Thomas said. "She is warmly remembered here with respect and admiration by all whose lives she touched during a distinguished and caring tenure at this University. On behalf of The Pennsylvania State University, we extend to her family and colleagues our sincere sympathy."

University of California President David P. Gardner called Dr. Schraer "a distinguished biochemist and a superb teacher, with a remarkable record of academic, administrative, and public service."

As the seventh chief executive of the Riverside campus, Dr. Schraer oversaw considerable enrollment growth at the University of California, Riverside, the opening of its College of Engineering, dramatic increases in faculty recruitment and hiring, and major gains in the range and character of academic programs.

Dr. Schraer, due to retire July 1 after five years as the leader of the 9,000-student Riverside campus, also held the rank of professor of biochemistry and biomedical sciences. As a biochemist, her research and teaching activities were concerned with the biochemical aspects of cell structure and biochemical control of cell functions related to reproduction and calcium transport.

See 'Schraer' on Page 10

PSU leading in recycling effort

Since a concerted effort was started at University Park to recycle materials in recent years, the results continue to show improvement in the amount of material recycled.

The overall rate of recycling at Penn State (14.5 percent) is higher than the statewide average and the amount of tons recycled is higher than any other college or university in the state, according to Phillip R. Melnick, manager of support operations and special programs for the Office of Physical Plant.

"We recycle more than is required by law and we are the single largest source of recycled materials in the county," Melnick said.

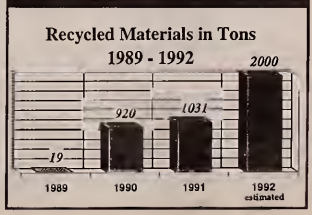
"But the amount being recycled is not the only good news. Even with more employees on campus than we had a couple years ago, the University produced more than 400 tons less solid waste in 1991 than in 1990. People are photocopying on both sides of the paper and changing other habits that create waste to begin with," he says.

In the past year the University changed some of the materials that could be recycled because of imposed changes in how material would be accepted. The University will still experience a large increase this year, despite those changes.

"While we haven't found an efficient way to collect newspapers such as the the Daily Collegian separately, that newspaper waste pales in comparison to the new recycling effort involving mixed office paper," Melnick says.

"Instead of 200 tons of newsprint being recycled, we now expect to collect 2,000 tons of mixed office paper. We hope to find a way to eventually recycle The Collegian and other newspapers, but for the moment the change in what could be recycled has helped our effort greatly."

PENNSTATE *Fast Facts*



Focus on Diversity

WPSX-TV airing show examining the Black vote

"The Black Vote," airing at 11 p.m. Friday, April 17, on WPSX-TV, examines the role of Philadelphia's Black electorate, from its development in the 1800s to today, when many political analysts believe "the Black vote" does not exist.

Historians, political analysts, Black political leaders and others interviewed in "The Black Vote" look at the history of the city's Black electorate to show how it has influenced the way African-Americans vote today.

"An African-American will vote for the candidate he identifies with...the person whose political platform he feels will benefit him and his community," producer Lillian Leak says. "That's no different from any other ethnic voter."

In Philadelphia, Republicans held Black voter loyalty until the early 1950s, when Democratic mayors Joseph Clark and Richardson Dilworth offered platforms similar to the New Deal.

The Clark-Dilworth era gave way to a Black political movement that began in the 1960s, when African-Americans began to seek more prominent positions within the political arena. "The Black Vote" profiles the Black political leaders who emerged between the 1960s and the 1980s, including Edgar Campbell Sr., "the dean of Black politics;" Cecil B. Moore, the first Black man to run for mayor, and Hardy Williams, who came close to victory in a 1971 mayoral bid.

In addition, "The Black Vote" examines both of Philadelphia Mayor Wilson Goode's election bids, in which he successfully campaigned in churches to reach voters.

"The Black Vote" also looks at the way African-Americans' political attitudes and expectations changed during Mayor Goode's two terms. Blacks anticipated that more social changes would take place, says labor leader Henry Nicholas.

"The Black Vote"

Friday, April 17, at 11 p.m.

Film and video catalog on Africana studies now available

The first edition of the "Films and Video for Africana Studies" catalog is now available from Audio-Visual Services. This publication is the successor to the second edition of the AVS catalog, "Films and Video for Black Studies." More than 400 programs are listed in this reference source, and each title is available for classroom use at no charge to University faculty members.

Copies of the catalog may be obtained in 26 Willard Building and at Special Services Building off Fox Hill Road. To receive a catalog through campus mail, call 863-3103. At a Commonwealth Campus, contact the campus instructional services specialist.

Free, pre-college program open to minorities this summer

Minority junior high school students from Pennsylvania are eligible for See the Future, a free, pre-college science and technology program at University Park this summer.

See the Future is offered July 12-17. Deadline for applications is Monday, May 18. Students must be entering grades 7-9 in the 1992-93 school year. Thirty students will be selected from applicants.

The program is designed to introduce engineering, science and technology careers as well as motivate participants to work towards attending college, according to **Daniel C. Davis**, a project director and head of the Minority Engineering Program.

Students will explore computers, energy, space and many other topics in hands-on engineering, science and energy activities with University faculty and students. Participants also learn decision-making skills and explore career options.

For a See the Future brochure, call or write John R. Vincenti, engineering coordinator of special projects. Barbara Building, Suite B, 820 North University Drive, University Park.

Diversity Opportunities ❦ Calendar ❦

Tuesday, April 21
Paul Robeson Cultural Center, noon to 12:50 p.m., Paul Robeson Cultural Center Auditorium. Brown bag lunch social titled"Jazz in the Box," featuring recorded jazz.

Paul Robeson Cultural Center, 7 to 8:30 p.m., Paul Robeson Cultural Center. "Innervisions" film and discussion presentation titled, "Blood in the Face." The program examines the growing presence of violent White supremacy groups.

Residence Life, 7:30 p.m., Pollock Cultural Lounge. Free screening of film, "A Great Wall."

Wednesday, April 22
Center for Women Students, noon to 1 p.m., 120 Boucke. Brown Bag Lunch Series discussion titled, "Dating Violence," by Lori Garrett, graduate student, counselor education.

Friday, April 24
Penn State Great Valley, 7:30 p.m., Penn State Great Valley Building. Free showing of film titled, "Come See the Paradise."

Sunday, April, 26
Center for Women Students, 7:45 p.m., Eisenhower Chapel. "Service of Healing for Survivors," program for survivors of sexual assault and abuse, by Anne Lutterman, associate campus minister, United Ministries.

Tuesday, April 28
Professional Women at Penn State, 11:45 a.m. to 1 p.m., Eisenhower Chapel Frizzell Room. General meeting with topic, "Life on the Technical Service Staff."

Residence Life, 7:30 p.m., West-Waring Cultural Lounge. Free showing of film, "Late Autumn."

Panel discussion to focus on life of technical service staff

A panel discussion focusing on "Life on the Technical Service Staff" will be the topic of the next public meeting of Professional Women at Penn State on Tuesday, April 28.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel at University Park with an opportunity for informal networking. The panel discussion will begin at 12:10 p.m. at University Park. Members of the panel are **Elizabeth Macaroni**, Office of Physical Plant; **Vanessa Campbell**, Housing and Food Services, and **Linda Odland**, Janitorial Services.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance from men and women in all job and student classifications at the University.

Highlight on Undergraduate Education

Lectures look at new approaches to undergraduate education

David A. Smith, codirector of Project CALC and associate professor of mathematics at Duke University, will be the third lecturer in the New American Scientist Initiative Science Education Lecture Series, a series that explores innovative approaches to undergraduate education and learning in science and mathematics.

Dr. Smith's lecture schedule at University Park on Thursday, April 23, includes: "Calculus Across the Curriculum: Laboratory Learning for the 'Real World,'" 12:20 p.m., 110 Osmond Laboratory, and "Calculus as a Laboratory Course: Doing and Writing to Learn," 4 p.m., 109 Osmond Laboratory. Both lectures, which are sponsored by the Eberly College of Science and the Department of Mathematics, are free to the public.

As codirector of Project CALC, a joint project between Duke University and the North Carolina School of Science and Mathematics, Dr. Smith is involved in developing a new curriculum for calculus instruction based on laboratory experiments, discovery learning, real-world applications, and writing.

The author of the 1984 book *Interface: Calculus and the Computer*, his published research papers have been in the areas of abstract algebra, combinatorics, mathematical psychology, numerical analysis, and mathematics education. He is a former associate editor of *College Mathematics Journal* and *Mathematics Magazine*.

From 1987 to 1990, Dr. Smith was chair of the Mathematical Association of America's Committee on Computers in Mathematics Education. He also has served on the advisory board of the Interactive Mathematics Text Project, the Coordinating Council on Education, and numerous other committees.

A member of the Duke University faculty since 1962, he earned a bachelor of science degree at Trinity College in 1958 and a doctoral degree at Yale University in 1963.

The New American Scientist Initiative represents a commitment by the faculty within the Eberly College of Science to bring about fundamental change in the undergraduate educational experience. The faculty is conducting an in-depth examination of the undergraduate curricula in order to create more compelling course designs and teaching methods. The overall goal is to enable students at all levels within the university to experience, understand, and enjoy science.

David A. Smith

College of Agricultural Sciences

Distinguished lecture to feature cancer expert

Bruce N. Ames, professor of biochemistry and molecular biology at the University of California, Berkeley, will deliver two lectures during the second annual Penn State College of Agricultural Sciences Distinguished Lecture Series, April 27-28 at University Park.

The first lecture, to be held at 8 p.m. April 27 in the Keller Conference Center auditorium, is titled "Understanding the Causes of Aging and Cancer." Dr. Ames will discuss "Oxidants, Antioxidants and Degenerative Diseases" at 1:30 p.m. April 28 in 101 Agricultural Sciences and Industries Building. Both lectures are free to the public.

Dr. Ames may be best known for his mutagenicity test, which is used by more than 3,000 laboratories and all major drug and chemical companies to identify carcinogenic chemicals before they are introduced in commerce. He is critical of standard lab animal cancer tests in which the animals are exposed to extremely high doses of a chemical.

"These standard tests are conducted at near-toxic doses," he says, "and evidence is accumulating that it may be the high dose, rather than the chemical itself, that's the risk factor for cancer. All chemicals are toxic at some dose."

He says his research has helped him to dispel several other misconceptions about the causes and risks of cancer. One misconception is that cancer rates are soaring. Although the number of cancer cases is rising, Dr. Ames blames that on an aging population.

"As life expectancy increases, cancer rates also increase," he says. "But the age-adjusted death rate in the U.S. for all cancers combined, excluding lung cancer from smoking, has been steady or decreasing since 1950."

Another misconception Dr. Ames seeks to refute is that synthetic chemicals are more toxic than natural chemicals. "When tested in both rats and mice, the proportion of natural chemicals that cause cancer is the same as for synthetic chemicals—roughly half."

Bruce N. Ames

Faculty/Staff Alerts

Grant-in-aid

The Freshman Scholarship Committee announces the availability of a grant-in-aid to students who are children of technical service or clerical employees of the University.

The Steve A. Garban Grant-in-Aid, which recognizes the senior vice president for finance and operations, was established with an endowed gift to The Campaign for Penn State by Edward R. and Helen Hintz.

The Garban Grant will provide room and board expenses for students living in University dormitories who have predicted or attained at least a 3.0 grade point average and demonstrated financial need.

Candidates for the awards also must exhibit leadership and humanitarian qualities through participation in extracurricular activities and show academic promise. Freshmen will receive preference, although sophomores also may be considered. For 1991-93, one award will be made.

Employees interested in the Garban Grant should obtain the Dependent Grant-In-Aid Form from the Employee Benefits Office or their personnel representative. The form is to be completed (in duplicate) and returned to the Employee Benefits Office, 205 Rider Building. Please indicate on the form that you also are applying for the Steve A. Garban Grant-in-Aid.

To be considered, employees should have their Dependent Grant-In-Aid Form, as well as the student's housing application, and the Pennsylvania State Grant and Federal Student Aid Application on file by May 15 for their son or daughter. For further information, contact Bronwen Wagner, Office of Student Aid, 314 Shields Building, 865-6301.

Fixed-Term appointments

Faculty or staff members on Fixed-Term I appointments may continue certain University benefit programs for the period between appointments, provided they have a firm commitment of re-employment on a Fixed-Term or Standing Appointment basis to begin within no more than three months of the end of the last appointment.

A faculty or staff member may continue the benefit coverage by paying the full rates, including the University and the faculty or staff member's share of the cost of the group life insurance and hospital/surgical/major medical, dental and vision coverage, and if applicable, the voluntary accidental death and dismemberment insurance and long term disability.

However, after three years of continuous Fixed-Term I service (or nine months or more each year), and a commitment of re-employment for the next academic year, the benefits are provided at the regular rates (the amount that is normally deducted from the faculty and staff member's salary).

Any Fixed-Term I faculty or staff member interested in continuing benefit coverage (including dependent coverage) should contact his or her human resources representative or director of business service to complete the necessary forms for coverage. This must be completed prior to the expiration of the current Fixed-Term I appointment. Questions regarding this program should be directed to the Employee Benefits Division (814) 865-1473.

Surround students with examples from real life

The Art of Teaching

Editor's note: This is the second in a series of essays by University faculty members on "The Art of Teaching."

By **Dick Pencek**
assistant professor of American studies and exercise and sport science

When I was asked to write on the "Art of Teaching," I realized just how much my philosophy of teaching has been affected by good fortune to teach small classes.

The Liberal Arts courses I teach, American Studies 410 and 415, have benefited from enlightened leadership by the department head and dean. I cannot emphasize too much how leadership can influence the opportunity to be innovative, creative, and motivated. My students and I have benefited from leadership which was willing to pursue a path of study new to Penn State when introduced, namely the development of a program in preservation, restoration, and material culture — decorative arts and furniture.

Students initiated this teaching effort, when several asked if I would be willing to develop this program. When I proposed the classes, I said that I was not a "three-piece suit" instructor. The material covered would involve as much practical experience as possible. For the decorative arts and furniture course, this means students are exposed to the real thing. Although Penn State can boast no major museum or University collection which deals with these materials — such as the Garvan collection at Yale — a multitude of material culture can be found in many private collections in the community.

I was determined to have a "hands-on" course where students could actually see and feel the design and construction features, rather than try to achieve the same goal by looking at a picture in a book or a slide. Despite a tremendous amount of time involved in coordinating material, and risking many a friendship by bringing classes of 24 students into their homes annually for the past eight years so students could see treasured antiques, I have succeeded in bringing the 1700-1860s alive to these students. I am convinced that when students sit in a Windsor chair made in 1780, they remember it and obtain a better feel for the history and culture that shaped it than when they look at a slide.

Historical and cultural context comes alive for students when they are surrounded by real examples. Details some might deem insignificant are more easily recognized as critical to understanding when and where a particular piece of furniture was made. This has the benefit of motivating many students to learn more from the numerous disciplines which would help explain the reasons for certain techniques to prevail at any given time. Why, one might ask, is the most famous Quaker piece of furniture from the Townsend-Goddard School a Gaming Table?

Practical experience for the preservation and restoration course means getting dirty, literally. If a student is going to learn how to preserve and restore buildings from the 18th and 19th centuries, he or she must know in a practical, as well as a theoretical, way what the work entails. This way, I believe, students pursuing such a career path will have a better idea about what is feasible and what is not; how costs mount; what environmental concerns must be considered, and so forth. This hands-on approach is an excellent introduction into the real life challenge of keeping focused on the long range goals, while establishing realistic short term goals which are often upset by the ever present Murphy's Law.

Architecture, in this case, is furniture on a larger scale. Can you explain that in one sentence? — It's neat, but I am not sure everyone will get it. However, the crucial concept here in restoration, is not to design and draw your own ideas, but to adhere to those of the intent of the original building — and probably also the owner. So far my classes have helped restore three houses in the area. We resurrected a worker's cabin at Curtin Village. The three-year project began basically with a shell. As a part of the process of restoration, students learned that the color and texture of mortar varies. And that to replicate history, it is important to use one appropriate to the time, place and income of the structure.

As this project evolved, I was excited by student enthusiasm demonstrated by their willingness to work outside of class to attain goals. Of course, I had to be willing to sacrifice out-of-the-regular-work-week time to be there as well. Gradually, students were able to see how significant this single structure was to the understanding of how life was at an iron forge, and again, more areas of study were opened for pursuit.

Two years ago, stone mason Albert Haupt helped students complete the fireplace. When finished, I pointed out to students that this part of the cabin weighed close to one hundred tons. Suddenly, it is absolutely clear how difficult it might be to correct a mistake...so let us get the design correct from the beginning!

During the 1989 fall semester, the finishing touches of white washing the interior and adding some donated furniture and decorative arts were completed. The next spring, the cabin was officially opened to the public to reflect the life of an iron forge worker at Curtin.

Last year we began work on a building which will eventually be the information center. While restoring a window, a student asked about the construction of the upper half. I said that in 1840 the upper half (of the window) was fixed—only the bottom half moved. A student replied, "Dick, until now we only had to draw them; we didn't have to know how to build them." However, I believe that knowing how to construct various parts of the building is critical to developing an appropriate design in the first place.

A former student did some design plans for the Pennsylvania Historical and Museum Commission. As a result of this combined effort, a relative of one of the families who once lived in the house was impressed enough to donate $25,000 to do further restoration.

Presently we are working on two structures at Curtin. In addition to restoration, we are designing handicap access to these buildings. Although drawings and scales exist to assist in our design, motivated by my belief in the need for hands-on experience, we have set up a "mock" ramp.

"I believe the best teachers learn from their students."

With input from some disabled friends and with the students using a wheelchair themselves, we may end up with a good design — one that is pleasing to the eye, feasible to construct, and functionally useful to the wheel chair user.

Is there a special secret to the art of teaching? Personally, I have adopted and adapted those approaches to teaching I appreciated the most both as a student and faculty member. I constantly seek to improve what worked in my teaching and to change what didn't. Finally, I believe the best teachers learn from their students. A combination of a subject matter the teacher finds fascinating; students motivated to learn (motivation might begin with a need for credits or grades, but can be replaced by desire to understand), and a teacher who cares about the students and the subject probably will lead to a dynamite class.

Tangible measurement is difficult. No one can agree on the value of in-class student evaluations. Personally, I measure my success on what happens to my students after graduation. Three houses saved; seven students in graduate programs related to preservation and restoration or material culture, and innumerable students who always will appreciate good furniture or old homes or the history of our founding fathers satisfy me.

One may ask why all the details involved in this style of teaching are so important. Well, if someone called to say he or she had the opportunity to acquire an original copy of the Constitution, who would know what questions to ask in order to ascertain if the person were correct? A specialist on the Constitution? Or an expert in historical material culture?

P.S.: The questions are (1) Is it signed? (2) Is it rolled up, folded? or (3)What kind of paper is it?

Students in Dick Pencek's preservation and restoration class learn by resurrecting a cabin at Curtin Village.

News in Brief

Sigma Xi meeting

David A. Shirley, senior vice president for research and dean of the Graduate School, will speak on "Academic Research in 2000 A.D." at the spring meeting of the Penn State Chapter of Sigma Xi at 3:30 p.m. Wednesday, April 22, in the Assembly Room of the Nittany Lion Inn at University Park.

New members will be initiated and new officers installed. A reception will be held following the meeting in the Fireside Lounge.

Smoking cessation

An eight-session "Smoking Cessation Program," sponsored by the Department of Family and Community Medicine at the Hershey Medical Center, will be held at 7 p.m. Thursdays in the Medical Center cafeteria, beginning April 23.

The program includes group support, behavior modification and relaxation techniques. Optional treatment for Nicorette Gum or Transdermal Patch requires a physician's order.

Cost is $85.00, with registration required by April 20.

Computer training

The new Computer and Information Systems Training Center in Wagner Building at University Park offers the opportunity to teach people to work smarter with computers.

The microcomputer training facility provides an excellent learning environment for the entire University community. Two labs provide hands-on training with 18 IBM computers, 15 Macintosh computers, instructor stations, and color LCD projection.

The C&IS Training Center now offers 41 different computer courses throughout the year, ranging from the most basic introductory courses through intermediate and advanced level courses. The center is open to all staff, students, faculty, and administrators by reservation.

For registration information, call the Human Development Resource Center at 865-3410. If you have a specific need requiring customized training, contact John Campbell at 865-0809 or JPC5@PSUVM.

Bookstore closing

The Penn State Bookstore will be closed April 19 and will re-open at 8 a.m. Monday, April 20, resuming normal operating hours.

Penn State Retreat

The Human Resource Development Center, in cooperation with the Commission for Women, Penn State Educational Office Personnel, Professional Women at Penn State, and Women of Color, is sponsoring a one-day Penn State Retreat on June 9 at the Atherton Hilton.

The topics for "Penn State Retreat #1: The First in a Series of Professional Approaches to Taking Charge in the '90s" include "Enhancing Your Leadership Abilities;" "Who's Who and What's What at Penn State: An Insider's Guide;" "Choices and Challenges for the '90s" (dual-career couples, breaking through the glass ceiling, and defining "success"—'90s style), and "Understanding the Changing Job Classification System."

Registration is under way and space is limited. For registration and additional information, call HRDC at 865-3410.

Intercom schedule

Intercom will begin its bi-weekly publication schedule with this issue. The next issue will be April 30. Intercom will resume weekly publication with the Aug. 20 issue.

Meeting scheduled

The first meeting of the Sexually Transmitted Disease (STD) and Human Immunodeficiency Virus (HIV) Education Consortium will be held April 29. The group, which will be multi-disciplinary, will develop a plan to address the needs of University students, faculty, and staff.

Interested faculty and staff should contact Susan Kennedy, associate director, University Health Services, at 863-0461.

Office move

Technology transfer offices reporting to **K. Jack Yost**, associate vice president for research and technology transfer, have moved to the Barbara Building addition, 810 North University Drive, at University Park.

Effective immediately, new addresses are: Ben Franklin Technology Center, 105 Barbara Building II; Industrial Research Office, 110 Barbara Building II; Intellectual Property Office, 114 Barbara Building II; PENNTAP, 110 Barbara Building II; Research Park Marketing Office, 101 Barbara Building II. Effective the week of April 20, Sponsored Programs and Contracts Office, 118 Barbara Building II.

It is important that the "II" be included on the address in order to reach the appropriate building. Phone numbers will remain the same.

Harrisburg lecture

William Julius Wilson, Lucy Flower university professor of sociology and public policy and director of the Center for the Study of Urban Inequality at the University of Chicago, will visit Penn State Harrisburg on April 21 as the final speaker in the College's 1992 Spring Lecture Series.

Dr. Wilson, internationally-known for his expertise in race and class-specific issues, is the author of two award-winning books which trace the roots of poverty to class, rather than to race. Currently, he is directing a $2.8 million study on poverty, joblessness and family structure in the inner city.

In his talk at 7 p.m. in the Student Center, he will discuss, "The Poorest of the Urban Poor: Race, Class and Social Isolation in the Inner-City Ghetto."

Department of Molecular and Cell Biology

Lecture on cell transformation to be held April 27

Hidesaburo Hanafusa, professor of biochemistry at Rockefeller University, will give an invited lecture on ``Tyrosine Phosphorylation, Protein Interaction, and Cell Transformation," at 4 p.m. Monday, April 27, in Room 101 Althouse Laboratory at University Park.

The lecture is sponsored by the Department of Molecular and Cell Biology and is free to the public.

Dr. Hanafusa is widely recognized for identifying novel factors that regulate mammalian cell growth. His work includes studies of the action of transforming forms of protein tyrosine kinases and RNA tumor virus products.

Prior to joining the faculty at Rockefeller University, Dr. Hanafusa, a graduate of Osaka University with a doctoral degree in biochemistry, studied at the University of California, Berkeley, and served as chief of viral oncology at the Public Health Research Institute in New York. He was elected to the National Academy of Science in 1986.

The Department of Molecular and Cell Biology has incorporated his lecture into a spring 1992 series aimed at providing new insight into fundamental mechanisms that regulate growth and differentiation during bacterial, animal, and human cell development.

Obituaries

Joseph A. Pallo, cutting machine operator, Business Services, from Dec. 12, 1959, until his retirement March 21, 1970, died March 18 at the age of 86.

Mildred R. Heaton, residence hall worker in Housing and Food Services, from July 13, 1964, until her retirement May 3, 1977, died March 15 at the age of 78.

Walter C. Podguski, community service operator, Penn State Beaver Campus, from Nov. 15, 1971, until his retirement Feb. 1, 1987, died March 18 at the age of 66.

Leda F. Brobeck, secretary, College of Earth and Mineral Sciences, from Sept. 1, 1948, until her retirement Jan. 1, 1982, died March 5 at the age of 72.

Carpoolers

One to three persons (non smokers) needed to form carpool from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Call **Janice** at 865-6516.

Pat is looking for a ride from Bellefonte to University Park. Her work hours are 6:30 a.m. to 3 p.m. starting in May. Call 353-8028 (home) or 865-7623 (work).

A carpool from the Lock Haven/Beech Creek/Howard area has an opening. Please contact **Vicki** at 865-3423 for more info (work hours are 8 a.m. to 5 p.m.).

Would like to join a carpool from Philipsburg to State College. Work hours are 9 a.m. to 5 p.m. Call **Carole** after 6 p.m. at 342-4125.

Focus on the arts

The arts on Channel 3

"The Mormon Tabernacle Choir: An Easter Gift of Music" airing at noon and 7 p.m. Sunday, April 19, on WPSX-TV, features world renowned soprano Dame Kiri Te Kanawa, the Mormon Tabernacle Choir and the Utah Symphony, conducted by Julius Rudel, performing a unique Easter concert of classical and popular favorites such as "Ave Maria," "Climb Ev'ry Mountain," "You'll Never Walk Alone," and "O Divine Redeemer."

Fifteen years ago, humiliated by his colleagues, denied permission to publicly play his cello or conduct or record, Mstislav Rostropovich reluctantly asked to leave the former Soviet Union with his family.

In a new era of "Glasnost," Mr Rostropovich, now director of the National Symphony Orchestra in Washington, D.C., was invited to return to his homeland.

"Soldiers of Music—Rostropovich Returns to Russia," airing at 1:30 p.m. Sunday, April 19, captures the musician as he traveled through his native country last February, meeting old friends as well as old enemies.

Odyssey on WPSU

Les Miserables — "a huge, fascinating, complex work" — is the subject of the next Odyssey Through Literature program with guest Kathryn Grossman, associate professor of French.

Dr Grossman and host Leonard Rubinstein discuss her new book, *The Early Novels of Victor Hugo: Toward a Poetics of Harmony*. "Hugo is showing an optimistic side regarding the potential of human beings," she says. "These 'miserables' have the potential to bring light to the future.

"Hugo's novel is incredibly poetic, very dramatic, and shocking in its realism."

On the April 29 episode of Odyssey Through Literature, Polish poet Czeslaw Milosz and guest host John Balaban, professor of English, discuss Milosz's transformation to a "California poet." Winner of the 1980 Nobel Prize for Literature, Milosz is now a professor of Slavic languages and literature at the Univeristy of California at Berkeley.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WTSU, 91.1 FM.

Ice Rhythms

Ice Rhythms, an ice show directed by Dena Yeagley, will be presented at 7:30 p.m. Friday, April 24, and Saturday, April 25, in the Ice Pavilion at University Park.

The program will include solos by visiting national and international figure skating competitors, featuring Michael Chack, 1992 Eastern United States Senior Men's Champion and 1992 U.S. Nationals and International competitor, representing the Skating Club of Rockland, N.Y. Ice Rhythms also will feature Katie Wood and Joel McKeever, 1992 Senior Pairs Midwesterns Bronze Medalists, 1992 U.S. Nationals competitors, representing The University of Delaware and The Dallas Figure Skating Clubs. Solos and group numbers by resident professionals and skaters from Penn State student and public programs also are on the program.

Advance general admission tickets will cost $3.50 for students and youth, and $5 for adults, and are available through Thursday, April 23, at the Ice Pavilion main counter. Tickets purchased April 24 and 25 will be $4.50 and $6. Tickets also are available by mail. Call 865-4102 for more information.

International Dancers

"Alive in Tradition" is the theme for the 14th annual Penn State International Dancers Spring Concert at 7:30 p.m. Saturday, April 25, in Eisenhower Auditorium at University Park. The company of 25 dancers and singers weaves a travelogue of tradition as it portrays the continents of the world in cultural harmony.

Penn State International Dancers

Dancers from the Gujerat region of India will contrast with wedding songs from the newly created country of Croatia. China's ancient heritage is mirrored in the delicate hand and foot movements of young women as they dance and sing in traditional costume. The richness of the folk genre in the Ukraine comes alive in vibrant dances from the Hutzul and Poltava regions, accented by a reenactment of a traditional Christmas Eve gathering in a Capratho-Rusyn family.

Flirtatious dances from Slovakia focus on the interaction between young girls and young men from villages in the Zemplin region, close to neighboring Hungary. The role of dance in Greek society is portrayed through island and mainland gatherings.

As a final tribute, PSID will present as guest artists, NOMMO and Myrna Munchus-Bullock, who will highlight the African-American heritage.

The public can meet the performers after the concert in 133 White Building. "Zima" Folk Ensemble, from King of Prussia, will provide music at an informal reception.

The company is under the direction of Elizabeth Hanley, assistant professor of exercise and sport science in the College of Health and Human Development.

Tickets — $7.00 for general admission and $5.00 for students and senior citizens — are available from Eisenhower Box Office, telephone 863-0255.

University Choir

The Penn State University Choir will perform in concert at 8 p.m. Sunday, April 26, at Grace Lutheran Church in State College.

The program will feature "Te Deum," by Haydn, accompanied by June Miller, professor of organ in the School of Music faculty.

Also on the program will be double choir works by Shaw and Vaughan Williams, selections by Homilius, Philips, Berger, Jennings and Schumann, and arrangements of spirituals by Johnson and Burleigh. The University Choir Chamber Ensemble also will perform works by Byrd, Di Lasso, Grieg, Hendelssohn and Parker.

Daniel Dauner of the School of Music faculty directs both choirs. Anthony Leach is the assistant conductor.

The concert is free to the public.

Pattee exhibits

Two exhibits, "The Thought of W.E.B. DuBois" and "The Medieval City Under Siege: Urban Warfare in the Middle Ages," are on display in Pattee Library's Rare Books Room through May 30.

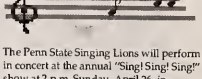
"The Thought of W.E.B. DuBois" features autographed material, first editions, and photographs of W.E.B. DuBois, an African-American intellectual born in 1868 and educated at Fisk, Harvard, and Berlin. Also included in the display are related materials of other philosophers and writers from the Rare Books Room's Black History and Literature Collection.

"The Medieval City Under Siege: Urban Warfare in the Middle Ages" focuses on the siege of a city, a relatively common event in medieval urban life. The exhibit features early books on fortification, with illustrations of town views, hydraulic and architectural details, instruments and machines, and arms and armor.

Among these early books is Jean Errard's *La Fortification* (1619), one of the most important French books on fortification, as well as one of the most beautiful ever produced with regard to illustration, decoration, and typography.

Also exhibited are examples from the Libraries' collection of manuscript facsimiles, including *Bellifortis*, a 15th-century German manuscript describing early forms of war machinery, with detailed drawings of weapons, castles, costumes, ladders and catapults, rockets and equestrian figures.

Sing! Sing! Sing!



The Penn State Singing Lions will perform in concert at the annual "Sing! Sing! Sing!" show at 2 p.m. Sunday, April 26, in Schwab Auditorium at University Park.

The program will include Gloria Estafan songs, spirituals, love songs, vocal jazz, a latin-flavored medley, a tribute to Broadway and several showcase spotlights on individual performers. Guest artist, trumpet soloist Chiz Rider of State College, will perform with the group.

Directed by Peter Kiefer of the School of Music faculty, the Singing Lions consists of 20 mixed voices, a combo and a technical crew. Choreography is created by Stevie Rivers-Rawlings of New York City and Avon Chandler and Sue Brill from the group.

Tickets are $4 for adults; $2 for students. To reserve tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Mozart orchestra

The Mozart Chamber Orchestra will perform at 12:10 p.m. Thursday, April 30, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Concert Series sponsored by the School of Music and the University Lutheran Parish.

The program will feature Symphony No. 3, "The Camp Meeting," by Charles Ives. The symphony is based on well-known Protestant church hymns, including "O, For a Thousand Tongues To Sing," "What a Friend We Have in Jesus" and "Just As I Am."

The Mozart Orchestra, under the direction of Douglas Meyer of the School of Music faculty, consists of undergraduate and graduate students from both music and non-music majors. Alex Hill of the School of Music will conduct.

'Stepping Out'

The Friends of the Palmer Museum of Art will present the 1992 gala, "Stepping Out," Saturday, May 2.

The black tie affair will be in the new ballroom of the Nittany Lion Inn at University Park. Cocktails will be at 7 p.m., followed by a formal dinner and dancing to the Richard Victor Quarter.

Guests will be able to bid on items offered for auction during the evening. Among the items to be auctioned are a signed copy of the play, "Courage," by Penn State alumnus John Pielmeier; an autographed poster of tennis great Jimmy Conners; sculptures by local artists Jeanne Stevens-Sollman and D.M.Z. Coyle; and Bill Asbury's famous barbecued ribs.

Tickets for the gala are $100 for member of the Friends; $125 for non-members. The deadline for reservations is Friday, April 24. For more ticket information, please call the Palmer Museum of Art office at (814) 865-7672.

Proceeds from the gala will be donated towards the new wing of the Palmer Museum of Art and art acquisitions. To donate an item for the auction, please call co-chairwomen Connie Martin, (814) 234-6268, or Diane Sweetland, (814) 238-8256.

University Park Calendar

April 16 - May 3

Special Events

Thursday, April 16
■ International Lecture Series, 9:30-11 a.m., International Lounge, 222 Boucke. Thomas Hale on "Written and Oral Traditions in Timbuktu: 1492 and 1992."
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice Students of Suzanne Roy: Lenten Music.
Sex Feminist Scholars Lecture Series, 7:30 p.m., Paul Robeson Cultural Center. Patricia Hill Collins, Univ. of Cincinnati, on "The Challenge of Black Feminist Thought."
School of Music, 8 p.m., Recital Hall. "Festival of Trombones."
Friday, April 17
Shaver's Creek, Woodcock Walk, 7-9 p.m. Call 863-2000.
URTC, 8 p.m., The Playhouse. "Peer Gynt," through April 25.
Saturday, April 18
Shaver's Creek, Nature Crafts For Kids, 9-11:30 a.m. Call 863-2000.
Sunday, April 19
Shaver's Creek, Wildflower Walk, 2-4 p.m. Call 863-2000.
Carnegie Hall Film Series, 7 p.m., Touch of Evil (1958); 9 p.m., MacBeth (1948), Carnegie Cinema. Free.
Monday, April 20
■ German Films, 8 p.m., 108 Wartik. Flammende Herzen (Flaming Hearts, 1977). Free.
Tuesday, April 21
Concert, noon, Kern Lobby. Mu Phi Epsilon.
Wednesday, April 22
Old Main Open House.
CWS Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Boucke. Lori Garrett on "Dating Violence."
Sigma Xi, Penn State Univ. Chapter, meeting, 3:30 p.m., Assembly Room, Nittany Lion Inn. David A. Shirley on "Academic Research in 2000 A.D." Reception following meeting in Fireside Lounge.
Symposium, "The Sephardic Journey 1492-1992," 7:30 p.m., 112 Kern. Also April 23, 10 a.m., 112 Kern. Free. Call Micaela Amato at 865-0444
School of Music, 8 p.m., Schwab Aud. Centre Dimensions.
Thursday, April 23
Bach's Lunch, 12:10 p.m., Eisenhower Aud. Voice Students of Richard Davis and Richard Kennedy.
Black Studies Program, Coffee Hour, 4-5 p.m., Paul Robeson Cultural Center Conference Room. Thomas Hale on "Griots and Griottes of the Sahel."
Friday, April 24
Geog. Coffee Hour, 4 p.m., 319 Walker. France Cordova on "The Astrophysics of Degenerate Stars." Refreshments, 3:30 p.m.
Shaver's Creek, 7-9 p.m., Earth Action Workshop. Call 863-2000.
"Ice Rhythms," 7:30 p.m., Ice Pavilion. Also April 25 at 7:30 p.m.
■ Center for the Performing Arts, 8 p.m. Eisenhower Aud. Andre Previn, conducting Dresden Staatskapelle.
Saturday, April 25
Football, Blue/White game.
Dairy Expo, Ag Arena.
Shaver's Creek, 1-2:30 p.m., Swampsearchers. Call 863-2000.
School of Music, 8 p.m., Schwab Auditorium. Penn State Glee Club Concert.
Sunday, April 26
Sy Barash Regatta, 10 a.m -5 p.m., Bald Eagle State Park.
School of Music, 2 p.m., Singing Lions, Schwab Auditorium; 4:30 p.m., Penn State Flute Ensemble, Recital Hall.
Carnegie Hall Film Series, 7 p.m., To Sleep With Anger (1990); 9 p.m., The Eighties (1983), Carnegie Cinema. Free.
Monday, April 27
■ Slavic Languages, 12:40-1:20 p.m., 101 Kern. Michael Flier, Harvard Univ., on "Church of the Savior on the Blood: Projection, Rejection, Resurrection." Also 4:30-5:30 p.m., 12 Sparks.

The 14th annual Penn State International Dancers Spring Concert will be held at 7:30 p.m. Saturday, April 25, in Eisenhower Auditorium at University Park.

Michael Flier on "The Development of Final Sonorant Clusters in East Slavic."
School of Music, 8 p.m., Recital Hall. Mozart Orchestra Conductor's Concert
Wednesday, April 29
Penn State Chapter of the National Association of Science Writers, Roundtable Series, noon, 313 Kern. Mark Stoneking on "Mitochondrial Eve, the Mass Media and Me."
School of Music, 8 p.m., Recital Hall. Student Composers' Concert.
Thursday, April 30
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Mozart Orchestra.
School of Music, 6:30 p.m., HUB Ballroom. Penn State Concert Band.
Friday, May 1
Classes end.
Geog. Coffee Hour, 4 p.m., 319 Walker. Lisa Graumlich, Tree Ring Lab, Univ. of Arizona. Refreshments, 3:30 p.m.
School of Music, 8 p.m., Recital Hall. Timothy Shafer, piano.

Conferences

Continuing Education
Keller Building
April 20-23. Pupil Transportation Supervisor Course. Jerri Milsom, coordinator.
April 22. High School Yearbook Seminar. Jerri Milsom, coordinator.
April 22-24. Educational Secretaries/Office Personnel Conference. Shirley Hendrick, chair; Kathy Karchner, coordinator.
April 22-24. Turbulence Models for Computational Fluid Mechanics. Frank Schmidt, chair; Roger Maclean, coordinator.
April 24-25. Statewide Future Problem Solving. Chuck Herd, coordinator.
April 25. Zoning Law and Administration. Jack Sinclair, coordinator.
April 26-29. Big Ten Payroll Managers. G.E. Olson, chair; Chuck Herd, coordinator.

Seminars

Thursday, April 16
Computer Science Colloquium, 4 p.m., 325 Whitmore. John Hannan, Univ. of Copenhagen, on "Compiler Verification in LF."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Deborah A. Freund, Indiana Univ., on "Outcome Assessment in Patients with Knee Arthritis: Preliminary Findings From the Total Knee Replacement PORT."
Mueller Lecture, 8 p.m., 119 Osmond. Norton D. Lang, IBM T.J. Watson Research Center, on "Contemporary Problems in Surface Problems."
Friday, April 17
Physics Colloquium, 11 a.m., 55 Osmond. Norton D. Lang, IBM T.J. Watson Research Center, on "Fundamental Problems in Scanning Tunneling Microscopy."
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Janice Hicks, George Washington Univ., on "New Developments in Surface Studies Using Lasers."
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Jinchuan Chen on "Effects of Cell-Wall Phenolic Acid Biodegradation on Quality Improvement of Corn Stover."
Tuesday, April 21
Science, Technology, and Society Colloquium, 12:10-1:10 p.m., 130 Willard. Gwen Blair-Frazier, state offices, Concord, NH, on "Technologies and Families: Unintended Consequences."
Chemistry Colloquium, 3:30 p.m., 55 Osmond. Michael Kasha, Florida State Univ., on "Proton Transfer Spectroscopy in Chemistry and Biology."
Graduate Program in Nutrition Colloquium, 4 p.m., 217 Willard. Linda Van Horn, Northwestern Univ., on "Overview of the Effective Diet on Blood Lipids Through the Lifecycle."
Geosciences Colloquium, 4 p.m., 112 Walker. Sue McGeary, Univ. of Delaware, on "A High Resolution Seismic Study of Newark Basin Cyclostratigraphy."
Thursday, April 23
Physics Colloquium, 3:30 p.m., 55 Osmond. H. Stormer, AT&T Bell Labs, on "Electron Optics in Two Dimensions."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Robert Hurley, Medical College of Virginia, on "Evaluating Medicare's HMO Strategy: Where You Stand Depends Upon Where You Sit."
Friday, April 24
Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Zhou Zheng Shi.
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries - Barbara Pennypacker on "Impact of Drought Stress on the Expression of Resistance to Verticillium Wilt in Alfalfa."
Monday, April 27
EPE, 4 p.m., 339 Davey. Sally Dawson.
Biology, 4 p.m., Room number not known yet. Judith Willis, Univ. of Georgia, on "Genes, Hormones and Insect Metamorphosis."
Tuesday, April 28
Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Fred J. Miller on "Health Effects from Exposure to Air Pollutants: Critical Issues and Engineering Approaches."
Biology, 4 p.m., 8 Mueller. Masagore Inouye, Univ. of Medicine and Dentistry of N.J., on "Retroelements in Bacteria."
Wednesday, April 29
Analytical Chemistry, 11:15 a.m., 55 Osmond. Henry White, Univ. of Minnesota, on "Electronic and Molecular Structure of Electroactive Films." Refreshments, 11 a.m.
Thursday, April 30
Physics Colloquium, 3:30 p.m., 55 Osmond. Boris Altshuler, MIT, on "Quantum Coherence Effects in Small Disordered Conductors."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Elliot Mufson, Rush Presbyterian Hospital, Chicago, on "Neurotrophins in Alzheimer's Disease."
Friday, May 1
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Kenneth D. Racke, Dow Elanco, Mich., on "Soil Degradation Studies with Pesticides."

Exhibits

Hetzel Union Art Galleries:
Formal Gallery:
■ Portraits of Contemporary Mexican Artists, through May 3.
Art Alley Cases:
Scholastic Art, through April 19.
Guild of Craftsmen, through May 24.
Art Alley Panels:
Scholastic Art, through April 19.
Pennsylvania Guild of Craftsmen, April 27-May 31.
Browsing Gallery:
Irene Pesin, through April 26.
Kern Galleries
"Southwestern Jewelry", Denise Ariew, through May 4.
"Raku," Nancy Ziegenfus-McIntosh, through May 17.
Paul Robeson Cultural Center
■ Sudan art, through April 30.
Zoller Gallery
"Master of Fine Arts Thesis Exhibition," through May 8.

■ **Reflects an international perspective**

Private Giving

Mushroom growers' gifts push endowment total over $1 million

Penn State's endowment for mushroom research has topped $1 million, thanks to recent gifts totaling $71,000 from mushroom growers. The endowment was established in 1987 by growers to help University researchers develop mushrooms for the fresh market that are larger, tastier and have a longer shelf life. Nearly 30 growers and processors have contributed to the endowment, and additional gifts are expected.

"This endowment, which we believe to be the largest of its kind in the world, is playing a major role in our efforts to make the fresh mushroom industry more economically competitive" **Lamartine F. Hood**, dean of the College of Agricultural Sciences, said. "It's also the culmination of more than a half-century of cooperative effort between Penn State and mushroom growers."

Thanks in part to efforts by University researchers, about 70 percent of the $500 million domestic mushroom crop goes into the fresh market, compared to about 30 percent 20 years ago. Penn State researchers also have helped mushroom farmers to double their square-foot production over the past 20 years.

Scientists are exploring a number of methods of making better mushrooms, including improved growing practices, regulation of fruiting, virus control, selective breeding and using recombinant DNA techniques to improve the genetic inheritance of the mushroom.

The college makes its research findings available for commercial adoption through a variety of extension programs that include seminars, workshops, demonstrations and an annual mushroom industry short course that has averaged more than 300 participants from 20-25 states in each of the last 30 years.

Scientists in the College of Agricultural Sciences continue to explore methods for making better mushrooms.

Penn State began research on mushroom cultivation in the 1920s and first secured private support in 1934 in the form of a research grant from the Mushroom Growers Cooperative of Kennett Square.

Trustee member and his wife donate $100,000 to University

William A. Schreyer, chairman and chief executive officer of Merrill Lynch and Co., and his wife, **Joan**, have committed $100,000 to Penn State — $50,000 to the Academic/Athletic Convocation and Events Center and $50,000 to the Biomedical Research Building at the University's Milton S. Hershey Medical Center.

The University is conducting fund-raising campaigns for both facilities.

Mr. Schreyer has been a member of the University's Board of Trustees since 1986, serving his first term as appointee of Gov. Richard Thornburgh, and later being elected by industrial societies in 1990. He was elected to a one-year term as vice president of the board in 1991, and reelected in January. He also serves as chairman of the National Development Council, Penn State's highest level fund-raising advisory body.

In 1987, the Schreyers and Merrill Lynch and Co. gave $1 million to endow the William A. Schreyer Chair in Global Management Policies and Planning in The Smeal College of Business Administration.

The $50 million-plus Convocation Center will be a multi-use facility for professional meetings, commencements, trade shows and exhibitions, cultural and entertainment events and intercollegiate athletics. The state legislature has authorized $33.8 million for the project, and the University is raising $20 million in private funds. Construction may begin by January 1993 and the center is expected to open by the 1994-95 winter sports season.

The Biomedical Research Building is under construction next to the College of Medicine at the Medical Center, and will contain laboratories for the departments of Anesthesia, Medicine, Microbiology and Immunology, Neuroscience and Anatomy, Ophthalmology, Pediatrics, Radiology and Surgery.

Total costs are estimated at about $47 million. Penn State's Campaign for Hershey has raised more than $10 million of that amount. The remainder will come from other University sources. No public funds are being used.

A Distinguished Alumnus of the University, William Schreyer served as national chairman of the Campaign for Penn State, a six-year, $352 million fund-raising effort that ended in 1990. He is a member of the Board of Visitors of the Mary Jean and Frank P. Smeal College of Business Administration at Penn State. Joan Shreyer is an honorary alumna of the University.

A 1948 Penn State graduate and a Williamsport native, Mr. Schreyer has devoted his entire professional career to Merrill Lynch and Co., becoming president and chief operating officer in 1982, chief executive officer in 1984 and chairman in 1985. He was elected a director of the New York Stock Exchange in 1985 and vice chairman of the board in 1987.

Research and education project between PSU and Ukraine to begin

The family of developer **Alex and Helen Woskob** of Boca Raton, Fla., has contributed $100,000 to Penn State to begin a collaborative research and education program with the Ukrainian Agricultural Academy near Kiev.

"We are excited to be a part of Ukrainian efforts to educate agriculturalists for the transition to a free market economy," said **Lamartine Hood**, dean of the College of Agricultural Sciences. "This joint program likewise will strengthen international programs at Penn State."

Mr. Woskob left Ukraine during World War II. He later studied engineering in Germany before emigrating to the United States to begin a career in the construction industry. In 1963 he founded A.W. and Sons, a company best known for building and managing numerous apartment buildings in State College, Pa.

Mr. Woskob and his wife, Helen, have been business partners in these projects. Their son, George, a 1976 Penn State graduate, is president of GN Associates of State College.

On a recent visit to their homeland, the Woskobs helped the Ukrainian Agricultural Academy develop a program proposal. The collaboration will help the Academy expand its programs so it can serve as the main institution for educating agricultural students and extension specialists in the Ukraine, known as the breadbasket of Eastern Europe.

Dean J. Jansma, associate dean for international programs in the college, will head a Centre for Ukrainian Agriculture to be established at Penn State to coordinate collaborative activities. Efforts are under way to secure additional funding for the Centre, which will facilitate student and faculty exchanges as well as exchanges of educational and research materials and technologies.

Appointments

Appointment of **Anne K. Ard** and **Odette Pineiro-Colon** as senior diversity planning analysts has been announced by **James B. Stewart**, vice provost.

The senior diversity planning analysts are directly involved in implementing the charge to the vice provost to be the locus of responsibility for planning, developing, articulating, and advocating the University's goals, policies and procedures pertaining to equal opportunity for underrepresented students, faculty and staff.

One of their major activities is conducting institutional research associated with the office's strategic planning and outcome monitoring. They also provide staff support for the commissions and committees that are working to promote and enhance cultural diversity, including the Commission for Women, Commission on Racial and Ethnic Diversity, Committee on Lesbian, Gay and Bisexual Equity, and the Equal Opportunity Planning Committee.

Ms. Ard, a graduate of Centenary College of Louisiana, received a master of divinity degree from McCormick Theological Seminary, Chicago, Ill. An ordained minister in the Presbyterian Church (USA), she currently is a doctoral candidate in higher education at Penn State.

A campus minister in United Ministry at Penn State from August, 1981, until June, 1991, she also has served as research assistant, Feminist Perspectives on Leadership Project, Center for the Study of Higher Education, and has taught Higher Education 101.

In the community, she is a member of the Centre County Women's Resource Center, Domestic Violence Task Force, Inter-faith Peace Committee, and Family Health Services, Inc. She also is a member of the Association for the Study of Higher Education, American Association for Higher Education, and the National Association for Women in Education.

Ms. Pineiro-Colon received a B.S. degree in biology from the University of Puerto Rico and a M.Ed. in curriculum and instruction from Penn State. She is a doctoral candidate in health education in the College of Health and Human Development.

She has served as a math tutor for the Hispanics for Academic Progress summer program at Penn State, a teaching assistant for the Department of Health Education, and a project associate for the Minority Health Careers Program Office. Prior to joining the staff of the vice provost, she was a health education specialist for the Pennsylvania Migrant Education Program in Harrisburg.

She is a member of the State of Pennsylvania Coordinating Council for Project SAVE (Stop AIDS Via Education), the Education Subcommittee of the Commission on Latino Affairs for the State of Pennsylvania, and the American Public Health Association.

At Penn State, she is a member of the Latino Caucus and the Puerto Rican Student Association.

Frieda M. Holt, a nursing administrator at the University of Maryland for more than 16 years, has been named professor and director of the School of Nursing at Penn State, effective July 1. She succeeds **Janet A. Williamson**, who asked to return to a faculty role after heading the department since 1988.

Dr. Holt joined the faculty of the University of Maryland School of Nursing in 1974 as an associate professor and was promoted to professor in 1977. She was the school's associate dean for graduate studies for 14 years, during which time she developed a Ph.D. program as well as a new master's degree curriculum that has since been adopted by several other major universities. She also served as dean's deputy for 11 years and twice served as acting dean of the school.

She is a site visitor for the National League for Nursing, the organization that accredits baccalaureate and master's nursing programs. In addition, she is a former chair of the NLN Board of Review and former vice president of the board of the Maryland Nurses Foundation. She serves as associate editor of *The Clinical Nurse Specialist*.

In 1990 she received the Martin Luther King Jr. Humanitarian Award, given by minority students at the University of Maryland at Baltimore for her support of black education. She also received the Veterans Administration Commendation Award for helping strengthen the relationship between the nursing school and the VA in the Baltimore area.

Dr. Holt earned a bachelor's degree in nursing from the University of Colorado in 1956, and spent the first eight years of her career as a public health nurse and a staff nurse at a university student health clinic. In 1964 she went to western Africa, where she and three other U.S. nurses developed a baccalaureate program at Cuttingtonn College in Liberia; it was the first B.S. nursing program in sub-Sahara Africa.

She returned to the United States to do graduate work, earning an M.S. in community health nursing and an Ed.D. in administration of higher education, both from Boston University. She was an assistant professor of community health nursing at Boston University for five years before moving to the University of Maryland.

Deborah L. Howard, director for facilities planning at Old Dominion University, Norfolk, VA., has been named director for facilities resources in the Office of Physical Plant.

She will be responsible for the overall management and administration of the facilities resources of the University Park Campus, including all aspects of the University-leased property in the State College area.

She will provide staff support and serve as secretary for the Facilities Resources Committee. She also will be responsible for a facilities inventory system for the University.

Ms. Howard has served as director for facilities planning at Old Dominion since 1986, having joined the office in 1984. Previously, she was employed at Tidewater Community College in several administrative positions.

A graduate of Old Dominion with a B.A. degree in fine arts, she is a member of the International Facilities Management Association, East Coast Educational Facility Planners and the National Association of College and University Business Officers.

Anne K. Ard

Odette Pineiro-Colon

Frieda M. Holt

Deborah L. Howard

University ranks in top 10 for Fulbright Scholars

Penn State ranks among the top 10 universities nationwide in the number of faculty members selected as Fulbright Scholars for 1991-92.

According to the J. William Fulbright Scholarship Board and the U.S. Foreign Scholarship Board and reported in the Chronicle of Higher Education, Penn State has nine of the 950 Fulbright Scholars named this year. The scholarships are awarded competitively for academicians who wish to lecture, consult or conduct research abroad.

"This strong showing is another indication of Penn State's leadership in the international arena," **W. LaMarr Kopp**, deputy vice president for international programs, said.

"Aside from what our faculty are able to contribute to the nations where they do their work, the University benefits in countless ways when these scholars return from their year abroad with increased knowledge, deepened insights and strengthened relationships," Dr. Kopp said.

Six universities ranked ahead of Penn State in the number of Fulbright Scholars this year. Indiana University led the nation with 11 scholars, followed by the City University of New York (all locations), the University of Colorado, the University of Hawaii, the University of Massachusetts (all locations) and the University of Texas at Austin, each with ten.

Stanford University and the University of Alabama, along with Penn State, each had nine scholars.

The University of Illinois at Urbana and Rutgers University each had eight. Other colleges and universities had seven or fewer.

In the two previous years, Penn State led the nation in Fulbright Scholars. The University had 17 scholars in 1989-90 and 14 in 1990-91.

The Penn Staters with Fulbrights this year are:

Alfred Traverse, professor of geosciences, Germany; **Gary S. Cross**, professor of history, Australia; **Richard A. Wilson**, professor of veterinary science, Hungary; **Charles M. Super**, professor of human development and family studies, the Netherlands; **William A. Pearman**, campus executive officer of the Wilkes-Barre campus, the U.S.-German International Education Administrators Program;

G. David Gearhart, senior vice president of development and University relations, the U.S.-United Kingdom College and University Administrators Program; **Norbert J. Mayr**, assistant professor of history, Worthington Scranton Campus, the German Studies Seminar, Germany; **Marlene P. Soulsby**, associate professor of German and humanities, Worthington Scranton Campus, the German Studies Seminar, Germany; **William Tierney**, associate professor of education, Panama.

Future Committee

Continued from Page 1

- Budget reductions will be identified and implemented sequentially; budget allocations will be made sequentially, where possible.
- It is preferred that budget reductions involving faculty or staff positions will be achieved through attrition, retirement, and/or reallocation of present vacancies
- Space and facilities will be considered as part of the process for seeking additional resources for program enhancement.
- The committee will seek to establish change through a collegial, collaborative process at all levels.

"We expect that our principles may change over time as new opportunities come to our attention and as we learn about the wide range of resources available to the University," Dr. Brighton said.

He explained that the committee currently is examining areas of core competencies across the University.

"This is expected to provide us with direction as we focus on an effort to ensure that Penn State is not just efficient, but efficient at the right kinds of things," he added.

Dr. Brighton also stressed that the strategic planning goals of the University will assist the work of the University Future Committee.

"Committee members will look at aspects of the University systematically and in depth," he said. "Change will take time. We are looking at a three- to five-year process and, for some cases, beyond five years. But we are committed to change in concert with Penn State's best traditions."

Emphasis should be placed on programs and activities which will be most effective in meeting Penn State's overarching goals of quality and national reputation.

Dr. Brighton urged people interested in contributing suggestions for the Committee's consideration to contact his office at 201 Old Main.

Schraer

Continued from Page 1

Dr. Schraer served at Penn State from 1959 to 1985, where she was associate provost and assistant provost, associate of the Center for the Study of Higher Education, acting dean for undergraduate programs, associate dean for research, acting head of the Department of Computer Science, and professor of biochemistry and biophysics.

In 1984 and 1985, she was a visiting fellow at Cambridge University's Cavendish College. She served on the faculty of Harvard Medical School and Radcliffe Institute for Independent Study at Radcliffe College in 1967 and 1968. She began her career in higher education as a faculty member at Sage College and Syracuse University, and also served as a research associate at Albert Einstien Medical Center in Philadelphia before joining Penn State.

Dr. Schraer was a fellow of the American Association for the Advancement of Science and the American Institute of Chemists and a member of several other professional societies. She received her A.B. in chemistry in 1946, M.S. in Zoology in 1949, and Ph.D. in biochemistry in 1953, all at Syracuse University, where she was Phi Beta Kappa.

Memorial contributions may be made in Dr. Schraer's name to the University of California, Riverside Foundation.

Vacancies

Continued from Page 12

Experience with System 7, DOS, Windows, VM/CMS, and word processing and spreadsheet packages is important. Excellent verbal and written communication skills, including the ability to communicate technical information to non-technical audiences, and demonstrated organizational abilities are essential. STAFF GRADE 6.

■ **02340, Assistant Director, Budget and Finance, Continuing Education, Keller Conference Center, University Park Campus** — Responsible to the director, Conference Center, for overseeing the center's business affairs, to include budgeting, financial and accounting activities. Requires bachelor's degree, or equivalent, in accounting, plus four to seven years of effective experience in accounting operations. STAFF GRADE 8.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **April 23**.

■ **10316, Employment Specialist/Nurse Recruiter, Department of Human Resources** — Responsible to the director of human resources, and in liaison with the director of nursing services, for recruiting, interviewing and screening nursing applicants. Requires a bachelor's degree (or equivalent) in business or related field plus over one year up to and including two years of effective experience. Registered nurse preferred. STAFF EXEMPT, GRADE 6.

Crime-solving insects:

Can bugs really put a killer behind bars?

Murder investigations are gruesome enough without peering into the unsavory habits of maggots living on a decomposing corpse. But more and more, insects are being used to provide compelling evidence that's putting criminals behind bars, according to a University scientist.

"Maggots say something, and insects are usually the first to arrive at the crime scene," said Ke Chung Kim, professor of entomology. "One of the biggest reasons for using this type of data is that bugs are found where people are found, and people do not generally think of insects as key evidence."

Dr. Kim, who works on between three and five cases a year for law enforcement officials, is one of only a handful of individuals in the country practicing forensic entomology — a science that uses the general knowledge of bugs, their habits and life cycles to aid police investigations.

What sounds like a macabre occupation is actually a scientific specialty that can play a considerable role in helping police piece together a cultural, hygienic and social profile of victim or suspect. The repulsive lifestyles of flies, beetles, mites and lice provide evidence of everything from time and manner of death, to whether the body was moved.

Last year in a homicide case in Erie, Pa., Dr. Kim was able to help nail a murder suspect who appeared to have an airtight alibi. Based on the coroner's estimated time of death, the killer could not have been near the scene of the crime. But Dr. Kim's hour-and-a-half-long testimony shattered the murderer's plea of innocence by producing larval evidence contradicting the coroner's initial conclusion. What he found on the decaying body of the victim were fly maggots whose lifespan coincided with the actual time of death — a time when the suspect could not account for his whereabouts.

"In different stages of decomposition there are different waves of incoming insects," Dr. Kim explained. "As the decomposition progresses and until the body becomes a skeleton, different species of insects at various stages of development will inhabit a corpse at a definite post-mortem time."

The sequence of post-mortem changes in a corpse provides a variety of ecological conditions for feeding, depositing eggs, and the development of various species. From the freshly deceased stage to putrefaction and beyond, the dead provide a perfect habitat for bugs best known as scavengers, predators and omnivores.

Insects, primarily blow flies, can find a body just minutes after it has ceased to function. Dr. Kim explained that when a body begins to cool, odor-producing chemical reactions take place. The postmortem stench, not yet discernable to the human olfactory senses, is a smell that invites insects to colonize a cadaver.

The type of insects found on a corpse is determined by climate, time of year, location of the body, cause and condition of death, and the local pool of pests.

"Even when doors and windows are closed, like clockwork a blow fly will show up out of the blue to infest a body," Dr. Kim said. "Likewise, insects inhabiting certain locales also provide key evidence, particularly if the body has been moved or if that species is found only in that locale."

As proof, Dr. Kim pointed to a Chicago case in which a rape suspect was convicted after it was discovered that bugs found in his coat were the same insects nesting in the shrubbery where the crime occurred.

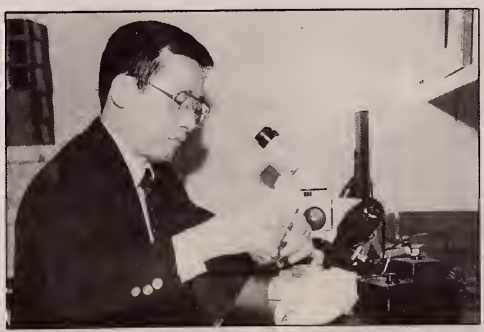
But finding and collecting specimens is only part of the job. Before beginning any investigation, Dr. Kim also must know environmental data, including weather conditions, temperature and relative humidity — all of which affect the life cycle of insects and impact the estimation of time of death. A body submerged in water is host to vastly different insect activity than a body which was buried or discovered laying on the ground.

"Law enforcement officials are beginning to realize the importance of insects, but they still tend to ignore what could be crucial and indisputable evidence," he said.

In an attempt to educate police and the legal profession about the significant role bugs can play in criminal or civil cases, Dr. Kim is teaching members of the legal and forensic communities how to collect and preserve these living clues.

The forensic entomologist, who also is director of the University's Center for BioDiversity Research, admitted there are limitations to this somewhat grisly practice. Although enough information is available on the habits and life cycles of common species of bugs, rarer species have no comparable scientific data, leaving entomologists in the dark.

– Lisa M. Rosellini



K.C. Kim analyzes maggots taken from a body recently found along the Pennsylvania Turnpike in an effort to help police solve another crime through the use of forensic entomology. (Photo: Greg Grieco)

Russell Marker Lecture in Genetic Engineering

Biology professor from MIT to speak April 20 - 23

Robert A. Weinberg, professor of biology at the Massachusetts Institute of Technology and member of the Whitehead Institute for Biomedical Research, will give the 1992 Russell Marker Lectures in Genetic Engineering April 20-23 at University Park.

The four-lecture series, "Molecular Origins of Cancer," is sponsored by the Eberly College of Science and is free to the public.

The lecture schedule: "An Overview: Integrating the Actions of Oncogenes and Tumor Suppressor Genes," 8 p.m. Monday, April 20, 117 Osmond Laboratory; "A Most Interesting Oncogene: ras and Its Mechanism of Action," 8 p.m. Tuesday, April 21, 117 Osmond Laboratory; "A Tumor Suppressor Gene: Mechanism of Action of the Retinoblastoma Gene," 8 p.m. Wednesday, April 22, 117 Osmond Laboratory; "A Negative Growth Regulator: The Receptor for TGF-Beta and Its Role in Cancer Pathogenesis," 11:15 a.m. Thursday, April 23, 101 Althouse Laboratory.

Dr. Weinberg, an authority on the molecular basis of tumor formation, was among the first to demonstrate that the cancer trait can be transmitted from one mammalian cell to another by the experimental transfer of genomic DNA. Further refinement of this technique led to the isolation and characterization of a class of genes that cause cancer, the oncogenes. He also has played a pivotal role in identifying a second class of genes, the tumor suppressor genes, that normally inhibit the uncontrolled proliferation of cells.

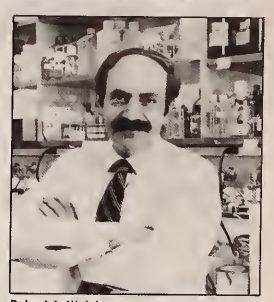
Named "Scientist of the Year" by "Discover" magazine in 1982, Dr. Weinberg has received numerous awards, including the Hammer Cancer Foundation Award, the Bristol-Myers Award for Distinguished Achievement in Cancer Research, the Sloan Prize of the General Motors Cancer Research Foundation, and the Samuel Roberts Noble Foundation Research Recognition Award. In addition, he was designated an American Cancer Society Professor of Biology in 1985.

A Fellow of the American Association for the Advancement of Science and of the American Academy of Arts and Sciences, he also is a member of the National Academy of Sciences. He currently serves on the Scientific Advisory Board of the Institute of Molecular Pathology, Vienna, Austria; the Scientific and Academic Advisory Committee of the Weizmann Institute, Israel; and the Board of Scientific Advisors of Hoffman-LaRoche, Inc.

Prior to joining the MIT faculty as an assistant professor in 1973, Dr. Weinberg was an instructor in biology at Stillman College and held postdoctoral fellowships at the Weizmann Institute and the Salk Institute. He has been a professor of biology at MIT and a member of the Whitehead Institute since 1982.

Dr. Weinberg, who earned a bachelor's and a doctoral degree at MIT in 1964 and 1969, respectively, has received honorary doctoral degrees from Northwestern University; the State University of New York, Stony Brook; and Mount Sinai School of Medicine, City University of New York.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth control pill.



Robert A. Weinberg

Staff Vacancies

The following vacancies for positions classified as staff (exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, April 23. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (F5-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02337, Banquet and Catering Supervisor, Nittany Lion Inn, University Park Campus** — Supervise set-up of banquets, meetings, functions; supervise and assist with outside catering; interview, supervise and train banquet and catering employees; supervise overall service operation from beginning to end of function; handle guest relations, take appropriate action to address complaints; develop and maintain personnel roster. Requires associate degree, or equivalent, plus over one year up to and including two years of effective experience in hospitality industry. STAFF GRADE 5

■ **02338, Graphic Designer, Development and University Relations, University Park Campus** — Responsible to the art editor for the design of University publications, as assigned, within established time limits and maintaining the highest quality standards possible. Requires bachelor's degree, or equivalent, in art plus up to two years of effective experience in graphic design or related field. This is a fixed-term position funded for six months beyond date of hire with excellent possibility of re-funding. STAFF GRADE 5.

■ **02339, Microcomputer Systems Consultant, Computer and Information Systems, Center for Academic Computing, University Park Campus** — Responsible to the manager, Consulting and Applications Software, for providing training and consultative support services to the University on UNIX operating systems. Requires bachelor's degree, or equivalent, in computer science, electrical engineering or a related field, and one to two years of effective experience, and a strong working knowledge of UNIX systems with strength in at least one of the following areas: MAC's, IBM PC's, or networking

See 'Vacancies' on Page 10

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INTERCOM

April 30, 1992 Volume 21, Number 30

Alumni Association commits $1.9 million for three projects

The Penn State Alumni Association has committed $1.9 million for three critical University projects, Association President David Morrow has announced.

Members of the Executive Board of the Penn State Alumni Association, which voted to make a $1.9 million commitment for three critical University projects, are from left, front row: Peter B. Weiler, assistant vice president and executive director of the Penn State Alumni Association; Edward J. Wilson, Anne Riley, David A. Morrow, president of the Alumni Association; Edward Anchel, vice president, Harley A. Cloud. Second row: Thomas Hollander, A.M. Don MacKinnon, Morris M. Schwab, Kathleen Rittner, Tom D'Alfonso, Mark Stewart. Third row: Arnold C. Gasche, Natalie Dolich Bailey, Rudy Glacker, James E. Carnes. Board members not present: Cynthia A. Baldwin, past president of the Alumni Association; Harold C. O'Connor, Barry K. Robinson and Robert Secor. (Photo: Greg Grieco)

Mr. Morrow said the association's 18-member executive board voted to give $500,000 for the University Libraries and $500,000 for an expansion of the Hetzel Union Building (HUB) which includes construction of a new Paul Robeson Cultural Center. The gifts are payable over five years.

In addition, the PSAA Holding Corp., a subsidiary of the Penn State Alumni Association, committed $900,000 for sponsorship of the new Academic/Athletic Convocation and Events Center. The commitment, payable on a multi-year basis, secures rights for the alumni association logo or other prominent signage in both the Convocation Center and Beaver Stadium, as well as promotional benefits in radio and print advertising.

"We chose to support these facilities because they will benefit the entire University community — especially students," Mr. Morrow said. "They will strengthen the educational experience Penn State offers and also significantly improve the quality of extracurricular life."

Mr. Morrow added that no Alumni Association dues will be used for either the gift or the sponsorship. Revenue will come solely from association-sponsored marketing ventures such as credit card income, international educational tours and the sale of Penn State memorabilia.

"We are deeply grateful for the Alumni Association's generosity, which will support three of the University's most critically needed projects," President Thomas said. "This commitment also reflects the steadfast loyalty of Penn State alumni

See 'Projects' on Page 3

Paterno to chair library study

Football Coach Joe Paterno has agreed to chair a study of the feasibility of raising private funds for an addition to Pattee Library.

"We have consistently said over the last several years that the Pattee Library expansion is our number one priority in terms of additional space at this University," President Thomas said.

"Joe Paterno is an outstanding choice to lead this study. He has a widely recognized commitment to the University Libraries and to academic excellence, as well as the national stature this effort will require."

Dr. Thomas made the announcement with William A. Schreyer, chairman of the University's National Development Council, vice president of the University's Board of Trustees, and chairman and chief executive officer of Merrill

See 'Paterno' on Page 3

Estimated 7,339 degrees to be conferred

Commencement exercises to get under way

About 7,339 students will receive degrees at the 1992 spring commencement exercises at University campuses across the state.

According to estimates, the total includes 5,715 baccalaureate degrees, 683 associate degrees and 941 advanced degrees, 92 of which are medical degrees from the Hershey Medical Center.

At University Park, about 5,088 students will receive baccalaureate degrees; 47 will receive associate degrees; 573 will receive master's degrees, and 178 will receive doctoral degrees.

Each of University Park's colleges and the Graduate School will conduct individual ceremonies on Saturday, May 16 and Sunday, May 17. Commencement speakers will include distinguished science, business, governmental and academic leaders. They include:

— Keith W. Eckel, president of the Pennsylvania Farmers Association, for the College of Agricultural Sciences.

A full-time farmer from Lackawanna County, Mr. Eckel received a bachelor's degree in political science from Dickinson College in 1968 and was a member of the first class of the Kellogg Foundation Leadership Development Program conducted by Penn State Cooperative Extension.

— Bryce Jordan, president emeritus of Penn State, for the College of Arts and Architecture.

Dr. Jordan became the 14th President of Penn State in 1983 and retired in 1990. Under his administration, The Campaign for Penn State raised $352 million in six years; the University initiated strategic planning and undertook economic development initiatives for Pennsylvania and plans for a 130-acre research park.

— William A. Donan, vice president and general manager of Baxter Healthcare Corporation's Hospital Supply Division, for The Smeal College of Business.

Mr. Donan held management positions in the American Hospital Supply Company and was promoted to zone vice president and general manager in 1986. The company was later acquired by Baxter Healthcare. He received a bachelor's degree in management from Penn State in 1968 and is a member of The Smeal College of Business Alumni Society.

— Brian Healy, a senior producer for the CBS Evening News in Washington D.C., for the School of Communications.

See 'Commencement' on Page 3

For a listing of University commencement ceremonies see Page 5.

Focus on Diversity

May meeting will focus on women in science and engineering

Pennsylvania university and college educators will discuss "What Works? in Recruiting and Retaining Women in Science, Engineering and Math" May 29 and 30 at the Nittany Lion Inn at University Park.

The meeting is sponsored by the Penn State National Space Grant College and Fellowship Program (PSU NSGC) with the Women in Engineering Program and is funded by General Electric.

"The truth is we still don't know what works when we're talking about recruitment and retention of women in science and engineering, except anecdotally," Sylvia Stein, PSU NSGC director said, "and as scientists, that is particularly distressing.

"The heart of the problem is that there aren't enough women science, engineering and math majors at any single institution for us to do a well designed research study. The question is, can we pool the results of similar programs in different schools to find out what works?"

"The truth is we still don't know what works when we're talking about recruitment and retention of women in science and engineering."

Sylvia Stein
PSU NSGC director

Conference speakers will include Patricia Campbell of Campbell-Kibler Associates, an outcome assessment specialist, and Kenneth Swimm, general manager, Management and Data Systems Operations, General Electric Aerospace. Panel leaders will be Laura Langer, Equitrans, Inc.; Sharon Luck, director, Women in Engineering Program, College of Engineering, and Dr. Stein.

For more information call Karen Wynn, Penn State National Space Grant College and Fellowship Program, (814) 863-8286 or 863-7688.

Women's groups plan events

"Women in the Workplace"

The Hershey Medical Center Committee for Women and the Department of Nursing will sponsor a program on "Women in the Workplace" on Wednesday, May 20.

The program, to be held from 11 a.m. to noon in the hospital auditorium at the Medical Center, will examine "Current Issues," "Agenda for Change," and "Workforce in 2000."

Guest speakers will be Billie Willits, assistant vice president for human resources, and Cathy Martin, chairperson, Hershey Medical Center Committee for Women.

Networking luncheon

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College,. The next lunch will take place on May 20.

Professional women in State College and at the University are welcome to attend for informal discussion and networking. No reservation is required.

Individuals gain recognition for diversity achievements

Several students, faculty and staff were recognized for their contributions to the minority community recently when the Multicultural Resource Center presented its Diversity Recognition Awards.

Honored faculty, staff and clerical workers were, Mary "Mel" Coble, Paul Robeson Cultural Center secretary; Linda Higginson, Division of Undergraduate Studies senior program coordinator and director of the College of Health and Human Development Undergraduate Advising Center; Jerome Williams, assistant professor of marketing, and James Wood, associate professor of anthropology.

Honored students included Jessica Maldonado, Volunteer Service Award; J. Eric Monzon, Inspiring Student Award and Akilah Kamaria, Academic Acholarship Award. Alpha Phi Alpha Fraternity Inc. was recognized for its academic service and educational accomplishments.

Established to recognize faculty, staff and clerical workers, the Diversity Recognition Award honors individuals for their sensitivity and contributions to multicultural concerns when instructing and interacting with students. Student awards are given to graduating seniors who best exemplify the qualities of the award.

Summit held to assess climate for underrepresented groups

Nearly 130 faculty, staff and students from across the University participated in a summit recently to assess the University climate for underrepresented racial and ethnic individuals as well as for women, lesbian, gay and bisexual individuals.

The program titled, "An Assessment Summit: The Status of Diversity at Penn State," was held at the Keller Conference Center. It was sponsored by the Commission on Racial and Ethnic Diversity, the Commission for Women, and the Committee on Lesbian, Gay and Bisexual Equity.

In addition to assessing the status of diversity, the summit was organized to foster the development of a collaborative understanding among various constituencies about diversity issues, and to explore strategies to improve the status of diversity at the University.

"Overall we found that our objectives were accomplished and that the program was extremely positive," said Daniel C. Davis, associate professor of engineering and chairman of the Commission on Racial and Ethnic Diversity.

The welcome address was made by John Brighton, executive vice president and provost. The keynote address was presented by James B. Stewart, vice provost. A follow-up to the summit will be planned later this year, Dr. Davis noted.

Diversity Opportunities ❦ Calendar ❦

Sunday, May 3
Residence Life, 7:30 p.m., East-Findlay George Clark Lounge. Free showing of film, "Year of Living Dangerously."

Residence Life, 7:30 p.m., Pollock Cultural Lounge. Free showing of film, "Long Walk Home."

Tuesday, May 5
Paul Robeson Cultural Center Auditorium, noon to 12:50 p.m. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Thursday, May 7
Women of Color and Men of Color, noon to 1 p.m., Hotel State College (upper level). Joint meeting with speaker Dan Davis, Commission on Racial and Ethnic Diversity chair and associate professor of science and mechanical engineering.

Thursday, May 14
Center for Minority Staff Development, 3:30 p.m. to 5 p.m., 319 Rider Building. Free workshop titled, "Coping Strategies for Working in a Predominantly White Environment."

Paterno

Continued from Page 1

Lynch and Co., and **Donald M. Cook**, chair of the Libraries Development Advisory Board and president of SEMCOR Inc. of Mt. Laurel, N.J.

"I've said it a hundred times," Coach Paterno said. "A great library is the heart of a great university, and if we want to remain a big-league University, we've got to have a big-league library. This study will be the first step toward launching the fund-raising effort we need."

Nancy M. Cline, dean of the Libraries, pointed to Coach Paterno's long involvement with the University Libraries.

"He has been an outstanding advocate for the Libraries for many years, and the example of support he has set has inspired countless other Penn State alumni and friends," she said.

Coach Paterno and his wife, Sue, established the Paterno Libraries Endowment in 1984 with gifts totaling $120,000. Since then, additional gifts from alumni and friends and a share of the revenues from the sale of sports and football memorabilia have pushed the endowment market value past $2.85 million. Income from the endowment helps to purchase books, periodicals and other information resources essential to scholarship.

One of Coach Paterno's tasks will be to recruit a volunteer committee that in turn will help him oversee the campaign feasibility study.

The state legislature authorized $19.8 million in 1988 to fund the construction of a Pattee addition. An additional $1.98 million has been allocated for furnishings, but neither of these appropriations funds has been released.

During The Campaign for Penn State, which concluded in 1990 and for which Coach Paterno served as one of three vice chairmen, nearly $9 million in private gifts was raised for the University Libraries. He and Sue Paterno are both members of the University's National Development Council and the Libraries Development Advisory Board. In addition, he is a member of the campaign committee for the Academic/Athletic Convocation and Events Center.

A 1950 graduate of Brown University with a degree in English literature, his support of scholarship has been widely recognized, and he has been the recipient of three honorary degrees: a Doctor of Humane Letters from Gettysburg College, a Doctor of Laws from Allegheny College, and a Doctor of Laws from Brown University.

On the campaign trail

Photos by Greg Grieco

Presidential candidate Jerry Brown, (top) and Hillary Clinton, wife of presidential candidate Bill Clinton, both made campaign stops at University Park to drum up support before the primary election. Candidate Brown spoke Thursday, April 16, from the steps of Old Main to a throng of onlookers, while Mrs. Clinton spoke Friday, April 24, also from the steps of Old Main.

Projects

Continued from Page 1

and their willingness to contribute to the future of the University."

The intent of the $500,000 gift to the University Libraries, Mr. Morrow said, is to strengthen a vast information resource system that serves about 70,000 students and 8,000 full- and part-time faculty at 21 locations.

"This lead gift gives a tremendous boost to our efforts to help the Libraries," Football Coach **Joe Paterno** said. "I'm sure it's going to inspire individual alumni and friends to be generous in their support as well."

The HUB is the main student union building. The new Robeson Center would replace an existing 45-year old structure, which houses a number of multicultural activities. The expansion of both facilities would provide more space for student organizations and meetings, lounges, exhibits and recreational uses. It has not yet been determined whether a private fund-raising campaign will be launched for this project.

The commitment is the largest ever made to the University by the Alumni Association. In 1987, it pledged $1 million over five years to endow undergraduate scholarships, graduate fellowships and distinguished teaching awards. The pledge was paid off this spring.

"The earlier gift was widely supported by alumni," Mr. Morrow noted. "The University is experiencing lean financial times now, so we feel this latest commitment will meet with a similar response."

Mr. Morrow also cited the work of **Edward Anchel**, vice president of the Alumni Association and chair of the Alumni Council's philanthropy task force, in forging the commitment.

The Penn State Alumni Association is the second largest among the nation's universities in both absolute size (110,000 members) and portion of living graduates it encompasses (36 percent).

Commencement

Continued from Page 1

Mr. Healy has worked at CBS for 20 years. In 1988, he was the senior producer coordinating network coverage of the presidential election and is a senior producer for the election this year.

— **Marian U. Coppersmith Fredman**, president of the Penn State Board of Trustees, for the College of Earth and Mineral Sciences.

President of Morgan Signs, Inc. and Barash Advertising, Inc. as well as publisher of Town & Gown and Where & When magazines, Ms. Fredman was named Small Business Person of the Year in Pennsylvania in 1981. She graduated from Penn State in 1953.

— **Helen D. Wise**, deputy chief of staff for programs and secretary to the Cabinet of the Commonwealth of Pennsylvania, for the College of Education.

Former executive director of the Delaware State Education Association, Dr. Wise received her bachelor's, master's and doctoral degrees in education from Penn State and taught in the State College area schools for more than 20 years.

— **Robert V. Waltemeyer**, senior vice president and chief technical officer of The Coca-Cola Company, for the College of Engineering.

Mr. Waltemeyer joined Coca-Cola in 1968 in the Corporate Engineering Department and was named to his present position in 1981. Previously, he was with the Standard Oil Company in various engineering and management positions for research and engineering in the U.S., India and Malaysia.

— **Edward R. Book**, president of the Travel Industry Association of America, a non-profit organization for the nation's travel industry, for the College of Health and Human Development.

Mr. Book spent 18 years with the Hershey Entertainment and Resort Company, starting as general manager of the hotel, becoming chairman of the board, president and chief executive officer. A 1954 Penn State graduate in hotel administration, he is former vice president of the Penn State Board of Trustees and a past president of the Alumni Association.

— **Norman W. Hickey**, chief administrative officer of the County of San Diego, for the College of the Liberal Arts.

Mr. Hickey has held major urban development and municipal positions in Tampa and other Florida cities and accepted similar appointments from the U.S. government to serve in Vietnam and Colombia, South America.

— **David A. Shirley**, senior vice president for research and dean of the graduate school, for the Eberly College of Science.

Before coming to Penn State this year, Dr. Shirley spent nine years as director of the Lawrence Berkeley Lab, a multiprogram national laboratory operated by the University of California for the U.S. Department of Energy, and was a professor at Berkeley for more than 30 years.

— **France Cordova**, head of the Department of Astronomy and Astrophysics, for the Graduate School.

Dr. Cordova's research focuses on multi-wavelength astrophysics with an emphasis on the study of compact objects, such as quasars and close binary stars. Much of her work is funded by NASA and the Los Alamos National Lab.

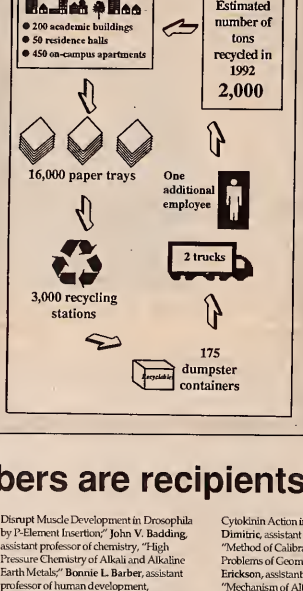
Employees play large part in recycling

Recycling at University Park began in earnest in late 1989, ahead of deadlines imposed by the Commonwealth. From that first year total of 19 tons collected, the program has progressed to where officials estimate this year's efforts could reach 2,000 tons or more — approximately double the effort of 1991.

The accompanying graphic shows the amount of effort that goes into the recycling program at University Park. Employees at the University are creating less waste than they did a couple of years ago, and they are helping to place recyclables in thousands of trays and bins. From these points, other University employees, such as the janitorial workforce, move the separated materials to locations where it is eventually collected by two University trucks and hauled off campus to a local recycling center.

The total number of tons of waste produced on campus in 1989 was more than 7,400 tons. Since recycling began, more than 4,400 tons of waste has been diverted from the landfill through recycling and waste reduction.

In 1992 it is estimated, at current trend levels, the total tons of waste will be reduced to approximately 7,000.



Periodicals accessible with new library system

As one of the first steps in enhancing LIAS, the Library Information Access System, the University Libraries is now offering both in-house and remote access to Penn State UnCover, an index to periodical articles.

UnCover, a database created and maintained by the Colorado Alliance of Research Libraries (CARL), contains article titles from over 10,000 journals, both popular and scholarly, published since late 1988. Updated daily, UnCover is an interdisciplinary database with coverage in all major fields of study. In addition, the database provides access to the Index to Government Publications (since 1976) and Book Reviews from Choice Magazine (since late 1988).

Features of UnCover include simple keyword access to article titles as well as a table of contents feature that allows users to browse article titles from specific journal issues.

This service, in accordance with a licensing agreement, is available only to University faculty, staff, and students, and these users must be registered currently with Libraries. Users who have not borrowed materials from the Libraries are not registered. Registration cards are available at any of the circulation desks in the libraries at University Park, CES locations, Penn State Harrisburg, and Penn State-Behrend. Users who have moved since they last registered are encouraged to complete a new registration card.

Because not all the periodicals listed in UnCover are available at Penn State, users who have Visa or Mastercard can call up a document request form on the system, enter their credit card number and their fax number, and be faxed a copy of the article they requested at a fee averaging $9. This document delivery service is provided by CARL and is in addition to the interlibrary loan service offered by the Libraries. Individuals or departments also may set up deposit accounts directly with CARL systems.

To access UnCover via computer from home, office, or residence hall in the State College area, simply dial 865-LIAS (865-5427) or connect to the Internet (lias.psu.edu). Access to LIAS also is available over the Penn State network. Once connected to LIAS, type SEL UNCOVER to access the database. If you are a registered library user, you will be connected automatically as long as a line is available.

For more information or assistance with UnCover, call 865-2112 or 865-3612 during regular business hours. This enhancement to LIAS is made possible by a private gift to the Libraries.

Faculty members are recipients of research grants

Twenty-five faculty members have been awarded one-year Research Initiation Grants from a fund established to encourage and support research and other creative work by new faculty.

Faculty members, at all campuses, with no more than two years of service accumulated were eligible for the 1992-93 grants. The funds were awarded to support lines of research that may lead to external sponsorship.

A committee of Craig Baumrucker, Paul Brown, Janice Derr, John Harwood, Joseph Lambert, Andrea Mastro, Betsy Ohlsson-Wilhelm, Leon Sibul, Vijay Varadan (chairman), Alexander VonEye, Susan Weis, Brent Wilson, and David Wilson reviewed and ranked 89 proposals. The proposals were reviewed by a college/unit committee prior to submission to the Senior Vice President for Research and Dean of the Graduate School.

Faculty members awarded grants along with the project titles are: **Susan M. Abmayr,** assistant professor of molecular and cell biology, "Generation of Mutations that Disrupt Muscle Development in Drosophila by P-Element Insertion;" **John V. Badding,** assistant professor of chemistry, "High Pressure Chemistry of Alkali and Alkaline Earth Metals;" **Bonnie L. Barber,** assistant professor of human development, "Enhancing Early Adolescents' Adaptation to Divorce: Pilot Study of a Research-Based Intervention;" **Gary E. Bolton,** assistant professor of management science, "Disagreement as Coordination Failure: An Experimental Study of Bargaining;" **Barbara Bullock,** assistant professor of French and linguistics, "Natural Sound Classes in Zulu Phonology;" **Octavia I. Camps,** assistant professor of electrical and computer engineering, "Automatic Object Recognition;"

Robert E. Cilley, assistant professor of surgery, "Rational Transfusion Therapy;" **Dorothy Deegan,** assistant professor of education, language and literacy program, "Observing the Language of Literacy Instruction;" **Jill Deikman,** assistant professor of biology and biotechnology, "Molecular and Genetic Analysis of Cytokinin Action in Plants;" **Ivko M. Dimitric,** assistant professor of mathematics, "Method of Calibrations in Optimization Problems of Geometry;" **Deborah R. Erickson,** assistant professor of surgery, "Mechanism of Altered Adrenergic Response in Chronic Bladder Obstruction;" **S.J. Heischer,** assistant professor of entomology, "Quantifying Spatial Distribution and Mapping of Insect Populations;"

Steven Heine, assistant professor of religious studies, "Dogen and the Zen Koan Tradition: Studying the Misplaced Manuscripts;" **Daniel L. Letwin,** assistant professor of history, "Race, Class, and Industrialization in the Age of Jim Crow: The Black and White Coal Miners of Alabama, 1898-1921;" **Laura Macy,** assistant professor of music, "The Italian Madrigal in Unified Anthologies: 1580-1610;" **Katherine T. McClain,** assistant professor of mineral economics, "Impact of Transportation Factors and Market Boundaries on Community Recycling Programs;" **Sallie McCorkle,** assistant professor of visual arts, "SLATE: An Artistic Medium;"

Kevin Murnane, assistant professor of psychology, "Environmental Context Effects in Recognition Memory;" **David Post,** assistant professor of comparative and international education, "Family's Education and Work Choices in Latin America;" **Deidre E. Pribram,** assistant professor of film/video, "The Family Business;" **Dhushy Sathianathan,** assistant professor of engineering graphics, "Visualizing Shock Waves in Cases Through Metal Walls — A New Technique Using Neutron Radiography;" **Shaun Sommerer,** assistant professor of chemistry, "A Synthetic and Structural Investigation of Lanthanide Schiff Base Complexes and Assessment of Their Potential as Contrast Agents in Magnetic Resonance Imaging;" **Girija Subramaniam,** assistant professor of chemistry, "Design of Novel Multifunctional Polyphosphazenes;" and **Jerry L. Workman,** assistant professor of molecular and cell biology, "Biochemical Mechanisms of Gene Determination During the Replication of Eukaryotic Chromatin."

Acting dean named for School of Communications

Daniel W. Pfaff, associate dean for resident education and associate professor of journalism, has been named acting dean of the School of Communications, effective May 1.

Dr. Pfaff will succeed **Brian Winston**, who will become director, Center for Journalism Studies, University of Wales, Cardiff. He will remain in the post until a permanent dean is appointed.

"Dr. Pfaff is a noted historian of journalism and has considerable administrative experience at the University," President Thomas said. "He will provide valuable leadership to the School."

Dr. Thomas also said that the national search currently under way for Dean Winston's permanent replacement will continue, with the administration's full commitment to attracting and appointing bold new leadership to the School.

Dr. Pfaff joined Penn State in 1971 as an assistant professor of journalism. He was named associate dean for resident education in 1990. From 1976 to 1982 and again from 1989 to 1992 he served as graduate officer in journalism. He was chair of the journalism major from 1972 to 1974.

Dr. Pfaff's research has focused on historical treatments of noted journalists and on First Amendment issues. His book, Joseph Pulitzer II and the Post-Dispatch: A Newspaperman's Life, was published last fall by the Penn State Press.

He is corresponding editor for Journalism History, and has served on committees of the Association for Education in Journalism and Mass Communication and the American Journalism Historians Association.

He received a B.S. from the University of Oregon, an M.A. from Penn State, and his Ph.D. from the University of Minnesota.

Daniel W. Pfaff

Commencement Schedule

Following is a schedule of commencements at the University's campuses:

Allentown: No commencement. Convocation at 7 p.m. May 12, Academic Building; **William Devaney**, president, Stanley-Divmar, Inc. and chairman of the Material Handling Industry of America.

Altoona: No commencement. Convocation at 1 p.m. May 9, Community Arts Center.

Beaver: 7:30 p.m. May 15, Laboratory Classroom Building Auditorium; **Cecile Springer**, member of Penn State Board of Trustees.

Berks: 7:30 p.m. May 14, Student Center Auditorium; Allegheny County Common Pleas Court Judge **Cynthia Baldwin**.

Delaware County: 7 p.m. May 14, Library; **John Briscoe**, director, Governor's Office of Citizen Service PennSERVE.

DuBois: 2 p.m. May 15, Multi-Purpose Building; **Robert E. Umbaugh**.

Penn State Erie, The Behrend College: Noon May 16, Reed Lawn, **Mary Chisholm**, assistant professor of chemistry.

Fayette: 10:30 a.m. May 16, J. Lewis Williams Building Auditorium; **Jay S. Pifer**, president of West Penn Power Co.

Great Valley: 7 p.m. May 19; **Marian U. Coppersmith Fredman**, president of the Penn State Board of Trustees.

Penn State Harrisburg: 9:30 a.m. May 16, Founders Hall of the Milton Hershey School, **C. McCollister Evarts**, senior vice president for health affairs and dean of the College of Medicine.

Hazleton: 7 p.m. May 15, Physical Educational Building; State Rep. **Thomas B. Stish**.

Hershey Medical Center: 1 p.m. May 17, Founders Hall of the Milton Hershey School, **James S. Todd**, executive vice president, American Medical Association.

McKeesport: 11 a.m. May 16, First Evangelical Free Church.

Mont Alto: 11 a.m. May 16, Campus lawn; **Gwendolyn Jensen**, president of Wilson College.

New Kensington: 7 p.m. May 14, Forum Theatre; **Marshall Wilcher**, assistant professor of political science.

Dgontz: 10:30 a.m. May 15, Intramural Field, Sen. **Harris Wofford**.

Schuylkill: 7:30 p.m. May 14, Multi-Purpose Building, Hon. **D. Michael Stine**.

Shenango: 7:30 p.m. May 15, Auditorium; **David King**.

University Park:

May 15:

4:30 p.m., University Scholars Medals Ceremony, Eisenhower Auditorium.

8 p.m., ROTC Commissioning, Eisenhower Auditorium.

May 16:

9 a.m., Eberly College of Science, **David A. Shirley**, Recreation Building.

9 a.m., College of Agricultural Sciences, **Keith W. Eckel**, Eisenhower Auditorium.

Noon, College of Health and Human Development, **Edward R. Book**, Recreation Building.

12:30 p.m., College of Earth and Mineral Sciences, **Marian U. Coppersmith Fredman**.

3 p.m., College of Engineering, **Robert V. Waltemeyer**, Recreation Building.

3:30 p.m., College of Education, **Helen D. Wise**, Eisenhower Auditorium.

5:30 p.m., The Smeal College of Business Administration, **William A. Donan**, Recreation Building.

7:30 p.m., Graduate School, **France Cordova**, Eisenhower Auditorium.

May 17:

1 p.m., College of the Liberal Arts, **Norman W. Hickey**, Recreation Building.

1 p.m., School of Communications, **Brian Healy**, Eisenhower Auditorium.

1 p.m., College of Arts and Architecture, **Bryce Jordan**, Schwab Auditorium.

Wilkes-Barre: 2 p.m. May 16, Hayfield House lawn; **John Presley**, provost, Lafayette College.

Worthington Scranton: 7 p.m. May 14, Multi-Purpose Building; **Howard Grossman**, executive director, Economic Development Council of Northeastern Pennsylvania.

York: 4 p.m. May 14, Penn State Woods, **Bruce Broadbent**, assistant professor of exercise and sport science.

Will provide additional support

Fund for Research is created by Thomas

The Penn State Fund for Research has been created by President Thomas as a source of additional support for the research activities of tenure-track faculty who have greater teaching responsibilities.

C. Gregory Knight, vice provost and dean for undergraduate education, said awards from the Fund are intended to complement and extend the resource base available to individual faculty members to carry on meaningful scholarly projects.

"Awards will consist of a grant of funds for partial support of scholarly activities on a specific research project," he said. "They will be made to cover critical items in a project expense budget not otherwise covered from other sources and, typically, will be for amounts not to exceed $1,500."

Awards from the Fund will be determined competitively from among eligible applicants. Tenure-track faculty at any location of the University who teach 18 or more credits (of sections of four or more students) in a Fall-Spring academic year are eligible to apply.

Dr. Knight, whose office will administer the Fund, said preference in the awards will be given to projects considered the most significant in enabling applicants to advance their scholarly stature. "Consideration will be given to the feasibility of the project and the importance of outcomes."

Applications for faculty located at University Park are available from the Office for Undergraduate Education, 207 Old Main, and should be forwarded to the office each spring by **May 15**.

Applications for faculty in the Commonwealth Educational System (CES) are available from the Office of the CES Associate Dean, 111 Old Main, University Park. They should be developed along with applications for the Research Development Grant and forwarded to the CES associate dean each spring by **May 15**.

Applications for faculty located at Penn State Erie, The Behrend College are available from the Office of the Associate Dean for Research at the Behrend College and should be forwarded to that office each spring by **May 1**.

Applications for faculty at Penn State Harrisburg are available from the Office of Research and Graduate Studies at Penn State Harrisburg and should be forwarded to that office each fall by **Oct. 2**.

Awards

Teachers honored by College of Liberal Arts and Alumni Society

The College of the Liberal Arts and its Alumni Society has honored outstanding faculty members, instructors and teaching assistants at an annual awards reception.

● **Thomas O. Beebee**, assistant professor of comparative literature and German, received the Class of 1933 Award for Outstanding Contributions in the Field of the Humanities. His courses are distinguished by special projects such as a 100-level literature course in which the students collaboratively wrote a novel on the mainframe computer.

The recipient of the Distinction in the Social Sciences Award was **James Eisenstein**, professor of political science, who teaches classes at all levels and supervises graduate students, advises senior honors students and assists junior faculty.

● **William Parsonage**, associate professor of administration of justice, received the Distinguished Teaching Award. He has helped numerous students through his many contacts in the U.S. and other parts of the world, especially Latin America, creating possibilities for employment, education and research projects.

● The Outstanding Faculty Advisor Award was presented to **Paul Cornwell**, professor of psychology, who helps students to network with each other and with other faculty and advises students in special activities.

● **Ann C. Rose**, assistant professor of history and religious studies, received the 1992 Roy C. Buck Award for her proposed study of "Religious Diversity and Family Choice: Interfaith Marriage in Victorian America."

● The 1992 Roy C. Buck Award in the Social Sciences was awarded to **Syedur Rahman**, assistant professor of public administration, for his paper "Managerial Thinking: A Study of Public Managers from Developing Countries."

Newly established Alumni Faculty Research Fellowships created with support from alumni were awarded to three faculty members:

● **Justine Cassell**, assistant professor of French, linguistics, and psychology, for a proposal, "Gender Stereotyping in French and Language and Culture;" **Kevin Murnane**, assistant professor of psychology, for the proposal, "The Effects on Memory of Performing Encoding Operations at Retrieval," and **Willa Silverman**, assistant professor of French, for a research project, "GYP: Right-Wing Anarchist at the Fin de Siècle."

● **Paul Perrone**, instructor in English at the Worthington Scranton Campus since 1970, and **Linda Selzer**, instructor in English and American studies, were the first recipients of the Liberal Arts Outstanding Teaching Awards for faculty.

● For the first time, the College presented Outstanding Teaching Assistant Teaching Awards to **Katherine Chandler**, a graduate assistant in English, who teaches rhetoric and composition, and **Beate Engel-Doyle**, who teaches German language, culture and literature.

Associate professor of communications receives von Humboldt Foundation fellowship

William C. Urrichio, associate professor of mass communications, has received a fellowship from the Alexander von Humboldt Foundation.

Under the Foundation program, highly qualified scholars are given the opportunity to carry out research projects of their own design in the Federal Republic of Germany. The prestigious fellowships are offered on the basis of a worldwide competition among scholars from all disciplines.

As a Humboldt Fellow, Dr. Uricchio will be conducting research and completing a manuscript on early German television (1935-1944) as a technological and cultural practice (for the Cambridge University Press), as well as researching a separate project on films stars in the Third Reich. He has received a honorary appointment as visiting professor at the Philipps University in Marburg, a center for mass communications study.

Dr. Uricchio, who received a Ph.D. from New York University, teaches courses in the history and theory of mass communications, with an emphasis on film and television in the School of Communications. He was visiting professor at the Freie Universitat Berlin (Germany) 1983-1985, and recipient of a senior research Fulbright Fellowship.

He is the author of *Die Anfange des Deutschen Fernsehens (The Beginnings of German Television)*, and co-editor of *The Many Lives of the Batman: Critical Approaches to a Superhero and his Media.*

William C. Urrichio

Elementary education major overcomes personal obstacles to be named 1992 Outstanding Adult Student at Penn State

Teresa M. Baker of McClure has received Penn State's 1992 Outstanding Adult Student Award.

An elementary education major in the College of Education, she has maintained a cumulative grade point average of 3.00 or higher each semester and is conducting her student teaching practicum at the Buchanan Elementary School in Lewistown.

The 35-year-old student had to support a child, and re-learn how to walk up and down steps and drive a car again

The 35-year-old student has overcome enormous personal and professional obstacles along the road to her bachelor's degree.

As a single parent in 1983, she wanted to get her degree, but the need to support her daughter and herself forced her to set aside her dream. Suddenly in 1988, an attack of Meinere's disease damaged her hearing in her left ear and destroyed it in her right ear. Ms. Baker had to re-learn how to walk up and down steps and drive a car again.

After her recovery, she learned that she had to find a new career. The time was then right to start on the road to a degree, beginning with an adult education class.

"It was the right choice even though I live too far away with a daily round-trip commute of more than two hours. I was 'too old' and I was a handicapped single parent," she notes.

In addition to a regular school year, the determined student attended courses during intersessions and summer sessions. By May when she graduates, she will have attended school for 41 consecutive months without a break.

Along the way, major illnesses struck Ms. Baker's mother, daughter, her new husband and father-in-law at different times, requiring her time and attention. But with the help of her supporters and family, she managed to stay in school and still care for her family.

She stresses that her success could not have been achieved without the selfless support, patience, sacrifices and love of her family.

"I feel as though I have lived five lifetimes and grown and learned more than many people do in their entire lives," she said. "I came back to school for a degree in education, but I have gotten an education in life, love, knowledge and hope."

The McClure resident has been named to the dean's list and is a member of Alpha Sigma Lambda, the national honor fraternity. Her future goals are to teach for a few years and later to pursue a master's degree.

Awards

The Smeal College of Business Administration

Three receive accolades for exemplary performance

Two faculty members and a graduate student have been honored for their service to students in The Smeal College of Business Administration.

Jeffrey M. Sharp, assistant professor of business law, received the Fred Brand Jr. Outstanding Teacher Award; **Robert A. Novack**, assistant professor of business logistics, received the Fred Brand Jr. Outstanding Advisor Award, and **Paul J. Fields**, a doctoral student in management science and information systems, received the Fred Brand Jr. Outstanding Graduate Student Teacher Award.

The Brand awards were established in 1979 through the support of Fred Brand Jr. of Pittsburgh, a 1932 Penn State graduate who went on to a highly successful career in the insurance industry.

Dr. Sharp was cited for his enthusiastic and original approach to teaching as well as his sense of humor and ability to bring life to the technical aspects of business law.

He joined the University faculty in 1989, before which he was with the law firm of Jones, Blaney and Williams in Oklahoma City, Okla. He holds a juris doctor degree from the University of Oklahoma College of Law and M.B.A. and bachelor's degrees from the University of Oklahoma College of Business Administration.

Dr. Novack's approach to advising was described as creative and thought provoking, his devotion to working with students as high. He was praised for his work with the Penn State Logistics Association and for his ability to provide sound, sensitive guidance on both academic and career matters, despite a sizeable advising load.

He earned a doctoral degree in business logistics from the University of Tennessee, and M.B.A. and bachelor's degrees from The Smeal College. Joining The Smeal College faculty in 1986, he has pursued numerous scholarly and professional activities, recently including the coordination of the annual R. Hadly Waters logistics conference.

Mr. Field was cited for his ability to personally and intellectually engage students, despite the size of the class. His teaching style was described as expressive, energetic and humorous, and his ability to impart information as both thorough and highly effective.

He holds an M.B.A., and master's and bachelor's degrees in mechanical engineering, all from Brigham Young University. He has more than 10 years management experience in business and was an adjunct instructor at Muskingum Area Technical College in Zanesville, Ohio.

Eleven graduate students named "Outstanding Teachers"

Eleven graduate students have received Graduate Assistant Awards for Outstanding Teaching.

The University-wide competition, sponsored jointly by the Graduate School and the Office of the Vice Provost and Dean for Undergraduate Education, recognizes recipients for excellent teaching in the areas of physical science and engineering, life sciences, social and behavioral sciences, and arts and humanities.

Nominees were evaluated by the selection committee on several criteria including effectiveness of their presentation, use of clear and fair evaluation procedures, availability and accessibility, and sensitivity to individual differences in the classroom. Nominees were advanced degree candidates who have taught at least two semesters.

The 1992 award winners are:

— Arts and Humanities: **Katherine Chandler**, English; **Kelley Walter**, comparative literature.

— Life Sciences: **Hong Amy Tang**, biochemistry.

— Physical Sciences and Engineering: **Teresa L. Dixon**, electrical engineering; **Donald Machusak**, geosciences; **A. David Salvia**, electrical engineering; **Glenn T. Visscher**, chemistry.

— Social and Behavioral Sciences: **Shawn Clark**, business administration; **Eric J. Deitch**, philosophy; **Paula Golombek**, speech communication; **Paul J. Fields**, business administration.

Staff recognized for excellence

The College of the Liberal Arts has presented six Outstanding Office Personnel Awards to recognize clerical and staff non-exempt employees whose performance on the job has been exceptional and exemplifies professionalism and dedication to the mission of the college and the University.

Award winners are:

Gay Catherman, General Arts and Sciences; **Jean Courter**, records and graduate secretary in the Department of Psychology; **Kathy Leitzell** of the English composition program; **Bonnie Schaedel**, formerly of the Department of Speech Communication; **Lois Seitz**, office automation support assistant for the college, and **Arlene Smith**, head secretary in the Department of Labor Studies and Industrial Relations.

Associate professor selected to receive unique funding for research

Hector E. Flores

Hector E. Flores, associate professor of plant pathology and biotechnology at Penn State, has received a grant of $10,580 from the Charles A. Lindbergh Fund for his project, "Balancing the Need for Anticancer Chemicals and Plant Species Conservation: In Vitro Alternatives for Utilization of the Pacific Yew, an Endangered Forest Tree."

The amount of the grant is equivalent to the original cost of the Spirit of St. Louis, the airplane in which Lindbergh flew non-stop across the Atlantic.

Dr. Flores hopes to develop alternative methods to conserve the yew tree and to produce taxol, which is obtained from the yew tree bark and is extremely effective against breast and ovarian cancers. These cancers kill more than 60,000 people each year in the U.S. alone. The Pacific yew is in limited supply and its native habitat is rapidly disappearing as a result of heavy logging.

The Lindbergh Fund was established in 1976 to promote the concept of balance between technological growth and preservation of the human and natural environment. Dr. Flores is one of 10 grant recipients for 1992, selected from a pool of 225 applicants.

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The amount of the grant is equivalent to the original cost of Lindbergh's airplane, the Spirit of St. Louis

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Focus on the Arts

Public forum

Ian L. McHarg, visiting professor of landscape architecture, will participate in a public forum at 8 tonight in 102 Forum Building at University Park.

The forum, "Human Ecological Planning: Its meaning to the Centre Region," will address the viability of comprehensive planning as influenced by local culture, ecology and existing planning systems. Serving on the panel with Mr. McHarg will be **Robert Bini**, director of the Centre Region Planning Commission; **K.C. Kim**, professor of entomology and director of the Center for Biodiversity Research; **Pierce Lewis**, professor of geography; **Steve Thorn**, Maurice K. Goddard professor of forestry and environmental resource conservation and **Wilbur Zelinsky**, professor emeritus of geography.

Mr. McHarg, professor emeritus at the University of Pennsylvania's Department of Landscape Architecture and Regional Planning, is the author of *Design with Nature*, a book that is credited with representing the dawn of the environmental age in the United States. He currently is working with the Environmental Protection Agency on a national and global inventory to determine the extent of the problems of global warming, pollution and climatic violence.

The forum, sponsored by the Department of Landscape Architecture, is open to the public.

The arts on Channel 3

Kenneth Branaugh's re-interpretation of "Henry V," which examines the king's coming of age and personal growth when the kingship is thrust upon him, contrasts with Sir Laurence Olivier's 1944 film, which Branagh says "captured another time, another era." An international hit, "Henry V" airs on Masterpiece Theatre at 9 p.m. Friday, May 1, and at noon Sunday, May 3, on WPSX-TV.

Live From Lincoln Center, airing at 8 p.m. Tuesday, May 4, presents "An Evening with The New York Philharmonic and Kurt Masur." The New York Philharmonic's new music director Kurt Masur leads the orchestra in "The Sorcerer's Apprentice" by Dukas and Tchaikovsky's Symphony No. 5. Also, New York Philharmonic Principal cellist Lorne Munroe will be featured in a performance of Samuel Barber's Cello Concerto.

David Lean's historical epic "Lawrence of Arabia" was a dashing portrait of T.E. Lawrence and Prince Feisal joining forces to sweep the Turkish army from Arabia during World War I. But "A Dangerous Man: Lawrence after Arabia," airing at 9 p.m. Wednesday, May 6, on Great Performances, chronicles on a much more revealing level what happened when the war was over and Lawrence and Feisal tried to collect on British promises for Arab independence.

Season schedule

The Center for the Performing Arts has announced its 1992-93 season schedule of events.

The season, which opens in September and runs through April, offers a variety of entertainment in 33 productions. The events, which are staged in Eisenhower and Schwab auditoriums at University Park, are grouped into seven series, ranging from classical music to jazz, children's shows to Broadway musicals, performance art to ballet.

Highlights of the 1992-93 season include:

One of the great works of musical theater, "Fiddler on the Roof" plays two nights, Thursday and Friday, Sept. 17 and 18, in Eisenhower Auditorium. Urban Bush Women use dance, music and a capella vocals to explore the spiritual and mythic quality of women's lives on Saturday, Nov. 14.

The Alvin Alley Dance Theatre explores new territory while preserving the best of the Alley legacy on Thursday, Feb. 16.

On its first tour of the United States, the Italian National Opera will perform "Rigoletto," Verdi's masterpiece about a

cursed buffoon, on Friday, Oct. 2. The New York City Opera National Company will stage Bizet's "Carmen," a tale of love and obsession set in Spain, on Thursday, Feb. 11.

"Buddy: The Buddy Holly Story" runs Friday and Saturday, Oct. 23 and 24. Kronos Quartet, which looks more like a punk-rock band than a traditional chamber music ensemble, will perform Saturday, Jan. 30.

The Lincoln Center Jazz Orchestra, featuring Wynton Marsalis, Frank Wess, Sir Roland Hanna and Kenny Washington, will perform "The Music of Duke Ellington" on Friday, Oct. 16. The Pittsburgh Ballet combines turn-of-the-century costumes, ballpark scenery, striking choreography and the nostalgic tunes of Stephen Foster and John Philip Sousa in "The Mighty Casey" on Friday, Feb. 26.

"A Chorus Line," the Pulitzer Prize-winning musical, comes to Eisenhower for two performances, Friday and Saturday, Feb. 19 and 20.

The center will continue to offer Artistic Viewpoints, a series of informal discussions with artists and scholars, prior to selected shows. New this season is an educational program of workshops, films and demonstrations that focuses on the three uniquely American art forms: jazz, modern dance and musical theater.

For a season brochure or ticket information, call the Eisenhower Auditorium Ticket Center at 863-0255 Monday through Saturday, 8:30 a.m. to 4:30 p.m.

Pianist to perform

Pianist Koya Ohmoto will perform in concert at 8 p.m. Wednesday, May 6, in the School of Music Recital Hall at University Park.

The program will include Prelude and Fugue in B minor Op. 35, No. 1, by Mendelssohn, Sonata in C major Op. 2 No. 3, by Beethoven, Piano Trio in B-flat major, K. 502, by Mozart and Allegro Appassionato in C-sharp minor, Op. 70, by Saint-Saens.

Ms. Ohmoto will be assisted on the program by Lois Durran, violin, and Claudia Koide, cello.

The concert is free to the public.

Wall design exhibit

"Wall Odyssey," a wall design project, is on view through May 9, in the Architectural Gallery, 206 Engineering Unit C, at University Park.

The project is presented in a series of four drawings subtitled, "Birth, Life, Death, Rebirth," completed by freshmen in the Department of Architecture under the direction of Richard Alden, assistant professor of architecture.

The exhibition is free to the public.

Exhibit in Pattee

"Bittersweet," an exhibition of watercolors by Alyce Ritti, will be on display in Pattee Library's Lending Services Gallery May 1 through 31. A lecture given by the artist will be held on May 13 at 7:30 p.m. in the Library's Tower Room (C401).

The exhibition includes six watercolors of organic shapes, rhythms and colors that suggest fruition. Her work is inspired by the lush violets and greens that prevail in her own vineyard in the late summer and fall.

Ms. Ritti has shown her work since 1984 in numerous exhibitions throughout Pennsylvania.

Arts at . . .

Great Valley

The sounds of music are captured on canvas by local artist Cleo Tawes in her "Music Series" collection of oils and drawings on display at Penn State Great Valley through Friday, May 29.

Her exhibit is part of the cultural heritage series "Celebrate America: A Patchwork of Diversity" sponsored by Commonwealth Federal Savings Bank.

International conference to focus on usefulness of statistics

Panel discussion on numbers to be held May 8

A panel discussion, "How Numbers Can Be Made Useful to the Public," will be presented as a public service during the Seventh International Conference on Multivariate Analysis. The discussion, open to the public, will be held at 8 p.m. Friday, May 8, in the Keller Conference Center Auditorium at University Park.

A panel of international experts will discuss various issues involved in the dissemination of statistical knowledge to the public.

Barbara Bailar, executive director of The American Statistical Association, will introduce the panel: Sir David R. Cox, fellow of the Royal Society, U.K. and foreign association of U.S. National Academy of Science; C.R. Rao, fellow of the Royal Society, U.K. and holder of the Eberly Family Chair in Statistics; N. Phillip Ross, chief statistician of the U.S. Environmental Protection Agency, and Frederick Mosteller and John W. Tukey, both members of the National Academy of Sciences.

Members of the panel have been involved in such controversial public policy issues as the decision not to adjust the census count for missing persons; the use of survival statistics and quality of life indices for medical policy decisions; network television election predictions based on exit polls, and the use of probability and statistics in decisions regarding the environment.

The Seventh International Conference on Multivariate Analysis is hosted by the Department of Statistics and has received support from the National Science Foundation, the Army Research Office, and Minitab Inc.

University Park Calendar

April 30 - May 17

Special Events

Thursday, April 30
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Mozart Orchestra.
School of Music, 6:30 p.m., HUB Ballroom. Penn State Concert Band.
Friday, May 1
Classes end.
Geog. Coffee Hour, 4 p.m., 319 Walker. Lisa Graumlich, Tree Ring Lab, Univ. of Arizona, on "A Thousand Year Record of Climate and Forest Dynamics in the Sierra Nevada." Refreshments, 3:30 p.m.
School of Music, 8 p.m., Recital Hall. Timothy Shafer, piano.
Wednesday, May 6
School of Music, 8 p.m., Recital Hall. Koya Ohmoto, pianist.
Saturday, May 9
Shaver's Creek, 8-10 a.m., Warbler Walk. Call 863-2000.
Sunday, May 10
Shaver's Creek, 2-4 p.m., Wildflower Walk. Call 863-2000.
Thursday, May 14
Trustees meet at University Park, through May 15.
Saturday, May 16
Spring Semester Commencement, through Sunday, May 17.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
April 30. Assessment of Child Psychopathology. Joe French, chair; Jack Sinclair, coordinator
May 5. Pennsylvania Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
May 4-7. Driver Performance Measurement. Eric Loop, coordinator.
May 5-9. 7th International Conference on Multivariate Analysis. James Rosenberger, chair; Roger Maclean, coordinator.
May 6-9. Postmaster Development Seminar. Jerri Milsom, coordinator.
May 7-10. Spring Aquatic Institute. Tom Griffiths, chair; Eric Loop, coordinator.

Seminars

Thursday, April 30
Marvin J. Kudroff Memorial Lectureship, 10:10 a.m.-11 a.m., 232 Hammond. John M. Samuels, Consolidated Rail Corp., on "Total Quality Management: Changing Vision Into Action." Reception, 9:30 a.m., 213 Hammond.
Physics Colloquium, 3:30 p.m., S5 Osmond. Boris Altshuler, MIT, on "Quantum Coherence Effects in Small Disordered Conductors."
Gerontology Center Colloquium, 4 p.m., 106 Mitchell. Elliot Mufson, Rush Presbyterian Hospital, Chicago, on "Neurotrophins in Alzheimer's Disease."
Friday, May 1
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Kenneth D. Racke, Dow Blanco, Mich., on "Soil Degradation Studies with Pesticides."
Wednesday, May 6
Analytical Chemistry, 11:15 a.m., S5 Osmond. Larry Faulkner, Univ. of Illinois, on "Nanostructure and Dynamics in Electrochemistry and its Applications." Refreshments 11 a.m.
Thursday, May 7
Physics Colloquium, 3:30 p.m., S5 Osmond. Martin Klein, Yale Univ., on "Einstein, Fluctuations, and de Broglie Waves."
Friday, May 8
A.L. Bortree Lecture Series, 8:45-9:45 a.m., 301A, Ag Admin. Linda Saif, Ohio State Univ., on "Porcine Enteric and Respiratory Coronaviruses: Detection, Differentiation, and Immune Response." Refreshments, 8:30 a.m.

Exhibits

Hetzel Union Art Galleries:
Formal Gallery:
■ Portraits of Contemporary Mexican Artists, through May 3.
Art Alley Cases:
Guild of Craftsmen, through May 24.
Art Alley Panels:
Pennsylvania, Guild of Craftsmen, through May 31.
Browsing Gallery:
Raquel Berg, through May 31.
Kern Galleries
"Southwestern Jewelry", Denise Ariew, through May 4.
"Raku," Nancy Ziegenfus-McIntosh, through May 17.
Traveling Photography, May 4-30.
Pattee Library
Main Lobby:
"Coal Collection Treasures from the Historical Collections and Labor Archives," through May 22.
Lending Services Gallery:
"Bittersweet," by Alyce Ritti, May 1-May 31.
Rare Books Room:
The Thought of W.E.B. DuBois, through May 30.
The Medieval City Under Siege: Urban Warfare in the Middle Ages, through May 30.
Zoller Gallery
"Master of Fine Arts Thesis Exhibition," through May 8.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ Reflects an international perspective

Elsewhere in Higher Education

Editor's Note: Budget cuts and other fiscal constraints are key concerns among higher education institutions in the Association of American Universities, of which Penn State is a member. The following excerpts are from The Monitor, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

■ To reflect the state's weakened economy and expected lower appropriations for the next fiscal year, **University of Arizona** vice presidents are being asked to cut 6 percent of the adjusted budget totals in their areas.

■ As a result of University-wide budget constrictions, the Department of Athletics at **Washington University in St. Louis** has eliminated three varsity sports from its athletic program—men's cross country, women's cross country and men's golf.

■ After facing the threat of more serious cuts, the **University of Wisconsin** system budget for 1992-93 has been essentially restored to the level proposed in February by Gov. Tommy Thompson.

■ The **University of Southern California** has imposed a freeze on academic and administrative staff salaries for the 1992-93 fiscal year—including those of senior administrators—and faculty raises will be kept to a minimum.

■ Budget cuts for Fiscal Year 1993 at the **University of Pennsylvania** include a reduction in the number of faculty and staff as well as the postponement of new construction and renovation projects.

■ **Cornell University** faces a proposed $5.2 million cut for its four statutory colleges based on appropriation reductions in the governor's executive budget.

■ In order for the **University of Pittsburgh** to meet its four major budget goals for fiscal year 1992-93, it must cut its unrestricted budget by 2.7 percent, thus freezing $7.2 million for reallocation.

15,000 excercise miles needed to reach goal

University warms up for Employee Health and Fitness Week

During the week of May 9-16, Penn State will join employers nationwide to observe National Employee Health and Fitness Day. Faculty, staff and families from all University locations are encouraged to contribute their weekly "exercise miles" toward this year's goal of 15,000 miles. Last year, more than 10,000 exercise miles were reported for the week, easily moving the University across America and its members toward more active, energetic lifestyles.

"The purpose of National Employee Health and Fitness Day is to encourage non-competitive, lifetime physical activity," said Nancy Sassano, coordinator of faculty/staff health promotion for the Office of Human Resources. "The stage has already been set with ongoing fitness and wellness programs for faculty and staff at many Penn State campuses and the recent focus on walking for fitness in LifeLine."

"Fifteen thousand miles may sound impossible; but we could reach it in 20 minutes if everyone walked just one mile at an easy pace," Ms. Sassano said. "Obviously, to be successful we need more than just the miles from the regular exercisers."

NEHFD is observed annually in mid-May, which occurs between spring and summer semesters for Penn State. However, faculty and staff can exercise and report their miles wherever they are, as long as they obtain a flier with the Cross America report card. Fliers have been distributed to all University locations.

At many locations, activities will be held during the week for those on campus. Some campuses will hold activities in the weeks before NEHFD. Group walks among co-workers are the most popular type of activity, according to Ms. Sassano.

Football tickets and other give-aways

This year, participants who report exercise miles will be entered in a drawing for prizes, including a pair of tickets to next season's Penn State vs. Miami football game, a variety of books and merchandise from the Penn State Bookstore, and semester passes for fitness classes and facilities at University Park. In addition, certificates of recognition will be sent to all participants.

Spring into Fitness

At University Park, a repeat offering of the Enlightening Lunches program, "Spring Into Fitness," will be held on Thursday, May 7 from noon to 1 p.m. in rooms 320-322 of the Hetzel Union Building. Patti Kenney, fitness coordinator for recreational sports, will discuss how to start and maintain a safe, enjoyable exercise program. Interested faculty and staff may register for the free program by calling the Faculty/Staff Health Promotion Office at 865-3085.

"Wellness Walk" set for May 9-10

Last May, Happy Valley was introduced to the sport of volksmarching with a 10-kilometer Wellness Walk. This year, the Wellness Walk is sponsored by the Nittany Nomads, a local volksmarching club which formed as a result of last year's event, as well as the University and the Employee Wellness Coalition of Centre County.

"Walking is, without a doubt, the most highly recommended form of physical activity for all people," said Ms. Sassano. "We hope that exposing faculty and staff to activities like volksmarching will increase peoples'-appreciation of walking for health and fitness. All volksports are self-paced and non-competitive, so they are ideal for families and people of any age or fitness level."

"In volksmarching, the majority of walkers travel to the event from out of town," said Fred Welch, professor of vocational/industrial education and member of the Nittany Nomads. "We hope that lots of Penn Staters from around the Commonwealth will join us for this kick-off to the University's and Centre County's National Employee Health and Fitness Week."

Highlights

May 7
"Spring Into Fitness," noon to 1 p.m., 320-322 HUB, register by calling 865-3085

May 9-10
Wellness Walk, State College. Free to those who participate without award or IVV credit; self-paced. Start at Intramural Building anytime from 8 a.m. to 2 p.m. Saturday or Sunday. Fliers with more information are available at all locations or by calling 865-3085.

May 9-16
Exercise and record activity on "Cross America for Health" report card; return to Faculty/Staff Health Promotion Office by May 26.

May 13
National Employee Health and Fitness Day
University Park
"Fitness Trots" (power walks) sponsored by Recreational Sports from 12:15 to 12:45 p.m.; meet at front of Recreation Building, Intramural Building or side entrance to White Building.
Hershey Medical Center
Employee Health Fair, 8 a.m. to 7 p.m.; University Fitness Center
Other locations
Look for information on campus or contact the campus health service or business office before the week of May 11.

Copies of fliers are available at the Intramural, White and Recreation buildings and the Natatorium at University Park, the University Fitness Center at Hershey Medical Center, or by calling the Faculty/Staff Health Promotion Office at (814) 865-3085.

Penn Staters

Jean Brenchley, professor of microbiology and biotechnology in the Eberly College of Science, has been appointed to the advisory committee of the American Type Culture Collection, a private, nonprofit corporation that collects, propagates, and preserves authentic cultures of microorganisms, viruses, and cell lines. She also has been reappointed to serve on the National Biotechnology Policy Board of the National Institutes of Health.

Lois Campbell, assistant professor of education, has received the National Award for Innovations in Four-Year College Science Teaching, sponsored by the OHAUS Corporation, and The National Science Teachers Association.

Martha Halsey, professor Spanish and editor of the Spanish theater journal *Estreno*, has received two grants from the Program for Cultural Cooperation between the Spanish Ministry of Culture and universities and from the Embassy of Spain in The United States, to begin to edit and publish a collection of plays in English translation. The series, titled "Estreno Contemporary Spanish Plays," will focus on works in the new democratic Spain of the last 15 years.

Peter Rubba, associate professor of education, has received the Association for the Education of Teachers in Science Innovation in Teaching Science Teachers Award for his paper titled "The Learning Cycle as a Model for the Design of Science Teachers Preservice and Inservice Education."

Jo C. Searles, assistant professor of English and women's studies at the Penn State Altoona Campus, has received the 1992 Distinguished Service Award of the college English Association.

James I. Tarman, athletic director, has been named a Distinguished Alumnus of Gettysburg College. The award is regarded as "the most prestigious of all the awards for professional achievement" conferred by the Gettysburg College Alumni Association.

Joseph J. Villafranca, Evan Pugh professor of chemistry in the Eberly College of Science, has been selected to receive the Distinguished Alumni Award from the School of Agriculture at Purdue University.

Dan Welch, assistant professor of pathology at the Hershey Medical Center, made presentations on "Chromosomal Suppressors of Melanoma Metastasis," "Identification of Inhibitors of Tumor Cell Invasion Using MICS," "Paracrine Regulation of Metastasis," and "Considerations for Drug Targeting in Cancer Patients" at the Molecular Basis of Diagnosis conference in Caracas, Venezuela.

Robert Zellis, professor of medicine and cellular and molecular physiology at the Hershey medical Center, presented "Arterial Compliance Reserve in Congestive Heart Failure" at a workshop of the International Society of Hypertension on arterial compliance, "Functional and Structural Properties of Large Arteries," in Paris, France.

Focus on Research

In the '80s

Rich kids got richer and poor kids got poorer

"The situation today is particularly grim for children growing up in poverty amidst the increasing affluence of other children."

The richest kids got richer and the poorest kids got poorer in the United States during the 1980s, according to University researchers.

"The proportions of rich and poor children both grew even as the economic gap between them widened," said **Daniel T. Lichter**, associate professor of sociology in the College of the Liberal Arts. "The situation today is particularly grim for children growing up in poverty amidst the increasing affluence of other children."

Dr. Lichter is co-author of a paper on the topic, along with **David J. Eggebeen**, assistant professor of human development in the College of Health and Human Development.

The research was supported by a grant from the National Science Foundation to the Population Issues Research Center, a division of Penn State's Institute for Policy Research and Evaluation.

Drs. Lichter and Eggebeen studied data from the 1960 through 1980 U.S. Census of Population and the 1990 Current Population Survey. They found that the 1979-1989 period marked the first decade in which the percentage of children at both ends of the family economic scale grew.

In 1989, about 24 percent of children resided in the poorest families and 17.5 percent in the most affluent families.

"This is the first time in recent U.S. history that a larger share of children — nearly 40 percent more — are located at the bottom than at the top of the income scale," Dr. Eggebeen noted. "American children clearly have experienced a significant relative decline in their economic status over the past 30 years."

In terms of constant 1989 dollars, the median family income of the poorest children decreased from $10,863 to $8,999 during the 1980s, the researchers found. Meanwhile, income increased from $70,899 to $76,201 among the richest children.

Trends in child poverty cannot be separated from rapid demographic changes in the structure of the American family, the researchers said.

"Our findings suggest that children may be increasingly divided into two economic tracks — one poor and the other rich," said Dr. Lichter. "In this regard, family living arrangements appear to be more and more important to the economic differences between American children.

"For example, the number of poor children living in female-headed families has risen in tandem with the number of affluent children living in married-couple families."

In 1989, 63 percent of children residing with their mother only were located at the bottom of the family income distribution, down from 75 percent in 1959. Still, children in 1989's female-headed households were 30 times more likely to be at the bottom of the scale than in 1959, the researchers said.

Furthermore, children in 1989's female-headed households were 4.6 times more likely to be at the bottom of the scale than children in married-couple families. In 1959, such children were only 3.4 times more likely to be in that position.

"In the absence of change in family structure since 1959, children in 1989 would be more likely to be at the top of the income distribution than at the bottom," said Dr. Eggebeen. "We must conclude from our findings that family change has exacerbated the decline in the relative economic status of American children."

-- Gary W. Cramer

Daniel T. Lichter, associate professor of sociology, and David J. Eggebeen, assistant professor of health and human development, find some unsettling results. (Photo: Greg Grieco)

Appointments

George W. Blankenship Jr.

Katherine Fennelly

Tami B. Gilbeaux

Russell Messier

Louise E. Sandmeyer

George W. Blankenship Jr., has been appointed associate dean for external affairs and continuing medical education at the Hershey Medical Center.

"As the Hershey Medical Center reaches outward in regards to patient care, teaching and research within the state and nation," said C. McCollister Evarts, senior vice president for health affairs and dean of the College of Medicine. "It is critical to have an expert as the associate dean for external affairs and continuing medical education. This is an extremely important role for the institution."

According to Dr. Blankenship, this new position reflects Penn State College of Medicine and the Hershey Medical Center's increasing awareness and emphasis on the importance of its relationships with the people of central Pennsylvania. "I see this new position as an opportunity to improve the quality of our association with physicians, others involved with healthcare and most importantly, those who are in need of our expanding and excellent services," he said.

Dr. Blankenship recently was listed in a new book called *The Best Doctors in America*, compiled from a survey of 3,850 doctors nationwide. He has been the recipient of several grants from the National Eye Institute for his research in the areas of diabetic retinopathy and diabetic vitrectomy.

Dr. Blankenship came to the Medical Center in 1989 as professor and chairman of the Department of Ophthalmology. Previously he was a professor at the Bascom Palmer Eye Institute in the Department of Ophthalmology, University of Miami School of Medicine, Miami, Fla.

He received his B.A. degree in 1962 from the University of Missouri, Columbia, Mo., and his M.D. degree in 1966 from Tulane University, New Orleans, La. He then served as intern at University of Kansas, Kansas City, Kan.; chief resident at Tulane; and fellow at Washington University, St. Louis, Mo.

Katherine Fennelly, associate professor of health education, has been appointed professor and head of Agricultural and Extension in the College of Agricultural Sciences, effective June 1.

She replaces Blannie Bowen, C. Lee Rumberger and Family professor of agriculture, who has served as interim department head since October, 1990.

Dr. Fennelly has been a University faculty member since 1988. She is a faculty associate in the Population Research Issues Center and an affiliate in the Women's Studies Program.

Her research focuses on the impact of participation in voluntary youth organizations on American youth, the health status of Mexican migrant farm workers in Pennsylvania and adolescent childbearing among Hispanics in the United States and Latin America.

From 1980 to 1987, Dr. Fennelly was a faculty member at the Center for Population and Family Health at Columbia University. From 1973-1979, she was program coordinator and senior staff associate at the International Institute for the Study of Human Reproduction at Columbia University.

Dr. Fennelly has received grants from National 4-H, the Ford Foundation, the Carnegie Corporation, the W.T. Grant Foundation, the Community Service Society, the U.S. Department of Health and Human Services and the Pennsylvania Department of Education and Health.

She received a B.A. in political science from Syracuse University and an M.A. in health education and a Ph.D. in adult education from Teachers College, Columbia University.

Tami B. Gilbeaux has been appointed director of federal and state programs in the Office of Student Aid.

In this position, she will supervise the Pell Grant, Stafford Student Loan, Federal Campus-Based, and State Grant Programs.

She also will be responsible for: the development and maintenance of effective fiscal controls for federal and institutional aid; coordination of the integrated packaging and awarding of all aid sources; fund management of federal programs; determination of awarding parameters, and the compliance monitoring for federal and state programs.

Ms. Gilbeaux, a graduate of North Texas State University, received a master of liberal arts degree from Southern Methodist University. She has been assistant director of financial aid at Southern Methodist University since October, 1987.

She is a member of the Texas Association of Student Financial Aid Administrators, Southwest Association of Student Financial Aid Administrators, and the National Association of Student Financial Aid Administrators.

Russell Messier, professor of engineering science and mechanics, has been named acting director of the Materials Research Laboratory. He replaces Stewart Kurtz who became executive administrator of the newly established Materials Research Institute.

Dr. Messier received a B.S. in electrical engineering from Northeastern University in 1967 and a Ph.D. in solid state science from Penn State in 1973.

He began his career at Penn State in 1967 as a research assistant at the Materials Research Laboratory. In 1974 he became an advanced research engineer with GTE-Sylvania and in 1976 returned to MRL as a research associate. In 1979 he became a senior research associate and in 1981 became an associate professor of solid state science.

In 1985 he became associate professor of engineering science and mechanics and in 1989 professor of engineering science and mechanics.

Dr. Messier, whose work has been in the area of thin film preparation and characterization, the morphology of thin films and diamond coatings, received the Leroy Randall Grumman Medal from the Grumman Corporation in 1987 and the Penn State Engineering Society Outstanding Research Award in 1990.

He is a member of the American Vacuum Society, Institute of Electrical and Electronic Engineers and the Materials Research Society. He currently serves on the AVS board of directors and is the founding editor-in-chief of the journal, *Diamond and Related Materials*.

Louise E. Sandmeyer has been appointed director of the Continuous Quality Improvement Center.

In this position, which reports to the executive vice president and provost, she will be responsible for assisting faculty and staff throughout the University in planning and implementing continuous quality improvement programs. She will work with the University Council on Continuous Quality Improvement, which was appointed by President Thomas last September to examine the feasibility of adopting continuous quality improvement processes at Penn State.

Ms. Sandmeyer joined the University in 1974 as a counselor in Career Development and Placement Services, and was appointed assistant director in 1980. From 1986 to 1990 she was a private consultant in the area of career counseling and assessment. In 1990 she rejoined Penn State as manager, Human Resource Development Center, where she was responsible for planning, implementing, and evaluating training and development programs for faculty and staff.

Ms. Sandmeyer has served on the Climate Committee of the College of Engineering, the Women's Studies Executive Board, the Commission for Women, and the Advisory Board of the Minority Staff Development Center.

She has taught in the Women's Studies Program at Penn State and at the University of Utah, and also in Counselor Education at Western Maryland College. She previously has held positions as counselor at the University of Utah, the University of Alabama, and Jacksonville University. She is the author of several publications on career planning and decision making.

Ms. Sandmeyer has a B.A. in English from Penn State and an M.A. in student personnel administration in higher education from the University of Denver.

Faculty/Staff Alerts

UTS final exam hours

The Spring Semester final exam period runs from Monday, May 4, through Saturday, May 9. University Testing Service will be open to receive work from 8 a.m. to 5 p.m. on Monday through Friday. On Saturday, May 9, hours will be 9 a.m. until 1 p.m.

Please submit recording rosters before finals, if possible. Recording rosters submitted during finals receive a lower work priority than jobs on answer sheets.

Libraries extend hours during final exams

Pattee Library is offering extended hours in the Reserve Reading Room and East Pattee floors 1 through 4 during final exams. The hours for these areas are as follows:

Friday, May 1	7:45 a.m. to midnight
Saturday, May 2	8 a.m. to midnight
Sunday, May 3	9 a.m. to 2 a.m.
Monday, May 4 through Thursday, May 7	7:45 a.m. to 2 a.m.
Friday, May 8	7:45 a.m. to midnight
Saturday, May 9	8 a.m. to 5 p.m.

All other areas of Pattee Library will follow their normal schedule during this final exam period.

Pollock Library will continue its 24-hour service May 1 through 8. On Saturday, May 9, Pollock will be open from 8 a.m to 5 p.m. All other branch libraries will follow their normal schedule.

If you need more information on the Libraries' hours of service, call 865-3063.

Telephone directories update

The Department of Publications is beginning to update information for the general information and University departmental listings of the Penn State student and faculty/staff telephone directories (pages 1 through 80).

Faculty and staff are asked to help make the updating as efficient as possible by photocopying the page(s) that pertain(s) to their areas, and sending updates to the Department of Publications, Directories, Suite A, Barbara Building, by June 3. The departmental listings on pages 25 through 80 in the Faculty/Staff Directory are identical to that section in the Student Directory. Please submit only one update of material if it is between pages 25 and 80 and that update will be used for both books.

If changes to your area are extensive, please type them on a separate sheet, and attach to the photocopy of your present listing.

Changes for individual listings (pages 81 through 174) in the Faculty/Staff Directory for full-time employees are handled by the Payroll office. For changes in home addresses and telephone numbers, and for changes in work addresses and phone numbers, submit a revised W-4 form; for changes in work addresses and phone numbers, submit an Office Address and Telephone Information form. Contact your Human Resources representative for further information. If you have discovered an error in your present individual listing, contact the Payroll office to report it.

If you are a part-time employee, an employee who works in an area connected with Penn State but is not on Penn State's payroll, or a faculty member emeritus, and you want to be listed in the 1992-93 Directory, please submit an adjunct form, called a Department of Publications Telephone Directory Information Form, by June 3 to the above address. You can get an adjunct form from the Human Resources representative connected with your area. Please remember that you must submit an adjunct form each year if you want to be listed in the coming year's Faculty/Staff Directory.

If you have any questions about sending your area's update or about adjunct listings, call Publications at 814-863-1870. If you have questions about your individual listing, call the Payroll office. Please submit all information to Publications by June 3.

Health care coverage review

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage, if you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arises: You get married, you get divorced (or separated and no longer wish to provide spouse dependent coverage); you become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide coverage beyond that time for a child, a coverage form must be completed); your only dependent child reaches age 19 (or 23 in the case of a full-time student); your only dependent child gets married; your spouse begins or ceases working for the University as a regular employee; your spouse enters military service; your spouse dies; your only dependent child dies.

If you feel a change should be made, call, write or visit the Employee Benefits Division, Room 205 Rider Building, (814) 865-1473. Faculty or staff members located away from University Park may receive assistance by contacting the appropriate director of business services or human resources officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up to date. No refunds for overpayment will be made, unless it can be shown that the University was in error.

Courses for faculty and staff

The Human Resource Development Center has openings in the following courses. Call the Center at 865-3410 for registration information.

❒ **Continuous Improvement Through Empowerment**

The process of empowerment encourages people to think and take on new challenges and risks. Empowerment is the springboard for all organizations committed to improving quality, customer service or productivity. Meets on Thursday, May 14, from 8:30 a.m. to 3 p.m. Cost: $55.

❒ **Executive Time Management**

Executive time management focuses on those time-robbing areas of greatest importance to the executive. These include good information practices, sound meeting management techniques and effective delegation.

Meets on Friday, May 15, from 9 a.m. to 4 p.m. Cost: $100.

❒ **Defensive Driving**

The National Safety Council's Defensive Driving Course is designed to help you save time, money and possibly a life by showing you how to avoid the needless pain of accidental injury and the needless expense of traffic tickets. Meets on Wednesday, May 20 from 8:30-11:30 a.m. Cost: none

❒ **Making Successful Presentations**

This workshop will help participants develop an effective personal speaking style for clear, dynamic public speaking. Meets on Thursday, May 21, from 9 a.m. to noon. Cost: $35.

Speaks to students and faculty

Transportation chief named Alumni Fellow

Ray D. Pethtel, commissioner of the Virginia Department of Transportation, has been named an Alumni Fellow in the College of the Liberal Arts.

He visited the college at University Park on April 20 and 21 to receive the award and to meet with students and faculty.

Mr. Pethtel received a B.A. in arts and letters in 1962 and a master of public administration, in 1967, both from Penn State. He has since pursued a career in public administration, serving first as director of administration for the American Society for Public Administration, and then moving on to positions in New York State. Since 1974 he has served in various positions in Virginia.

Mr. Pethtel has been Commonwealth Transportation Commissioner in the Virginia Department of Transportation since 1986. Under his leadership, the department has undergone a major reorganization and has undertaken the largest construction program in the history of the Commonwealth.

Before his tenure as commissioner, he served for 12 years as director of the Joint Legislative Audit and Review Commission of the Virginia General Assembly. As its first director, he was responsible for establishing and creating the agency, which won several national awards under his leadership.

The Alumni Fellow award is the highest honor granted by the Alumni Association. The designation as Alumni Fellow is permanent and lifelong.

Ray D. Pethtel

Engineering departments receive $350,000 grant from National Science Foundation for two-year study

The Departments of Industrial and Management Systems Engineering and Mechanical Engineering and the Department of Materials Management at the Hershey Medical Center have received a $350,000 National Science Foundation grant to fund a two-year nationwide study of the organizational, operational and engineering needs of materials management in the hospital setting.

The study will investigate and analyze the hospital supply chain from distributor to the nursing station. The project will culminate in recommendations for "stockless systems" and just-in-time (JIT) delivery methods aimed at shifting storage of medical and surgical supplies from hospitals to distributors in order to downsize inventory burdens at hospitals, according to **H.J. Sommer**, professor of mechanical engineering.

Engineering faculty and graduate assistants are investigating the linkage from manufacturer to distributor to hospital to nurses station to patient for medical/surgical supplies. Areas of study include practical design recommendations for shapes, materials, and manufacturing methods for standardized modular packaging for medical/surgical supplies; Group Technology (GT) material classification procedure for medical supplies; intelligent supply stations to enhance patient charge capture, and the development of a procedure for design of a health care distribution center to support stockless hospitals.

Project investigators include **William O'Brien**, director of materials management at the Hershey Medical Center; **Dr. Sommer**, and **Pius J. Egbelu**, **Catherine M. Harmonosky** and **Deborah J. Medeiros** in Industrial Engineering.

For further information contact: Dr. Egbelu, associate professor industrial engineering, 207 Hammond Building, University Park, PA 16802.

Distance education task force to plot future role

Members of the newly created Task Force on Distance Education will define the University's future role in distance education.

Appointed jointly by **John Brighton**, executive vice president and provost, and **James H. Ryan**, vice president for continuing education, the task force members are reviewing national trends and opportunities in the emerging field of distance education with the goal of establishing the vision which will guide the University's efforts in this field.

William Kelly, acting head of the Department of Integrative Arts, College of Arts and Architecture, is chairing the task force, which includes representatives from across the University.

Among the issues that the group will address are:

- competition for students from other colleges and universities and how this will impact on opportunities available by distance education;
- advancements in technology and costs involved and how these developments will facilitate the use of distance education;
- the types of services that should be developed to improve support for distance education programs;
- how to ensure academic quality in the design and delivery of educational programs;
- barriers to the University's reaching its potential in distance education; and
- resources needed to achieve the University's vision for distance education.

The task force will prepare a preliminary report on its activities by June 1 and make its final report by Oct. 31.

Members, in addition to Mr. Kelley, are:

John Bagby, associate professor, The Mary Jean and Frank P. Smeal College of Business Administration; **B. Alton Brantley**, associate professor, The Milton S. Hershey Medical Center; **R. Thomas Berner**, professor of journalism and American studies; **John V. Cooney**, campus executive officer, Allentown Campus; **Margaret Cote**, associate dean, College of the Liberal Arts;

Joseph S. DiGregorio, associate dean, College of Engineering; **Diane Enerson**, director, Instructional Development Program; **Mark Erstling**, director, Educational Communications, and general manager, WPSX-TV; **Shirley Hendrick**, assistant dean, The Smeal College; **Lamartine F. Hood**, dean, College of Agricultural Sciences;

Charles A. Langston, professor of geophysics; **Robert W. Light**, associate dean for graduate studies, research, continuing education and economic development, Penn State Erie, The Behrend College; **David Mercer**, director, Independent Learning; **Salvatore Meringolo**, assistant dean and head, Collection Services, University Libraries;

Edward Minnock, director of continuing education, Penn State Harrisburg; **Michael Moore**, associate professor of education; **Tannaz Rahman**, associate director, International Cooperative Programs; **Richard Stern**, professor and associate director, research, Applied Research Laboratory; **Richard St. Pierre**, professor and head, Health Education, and **Steve H. Updegrove**, director of telecommunications.

Faculty Senate News

Issues of tenure, travel, and a proposed faculty/staff club dominated the April meeting of the Faculty Senate.

- In a report from the Faculty Affairs Committee, the subject of granting immediate tenure to faculty and administrators was outlined with recommendations for improving the procedure. Immediate tenure reviews are sometimes undertaken for individuals from outside the University who are being considered for faculty or administrative positions.

While Faculty Affairs Committee members admitted that flexible tenure procedures are necessary to attract quality senior candidates and enhance the academic standing of the University, they voiced concern that during the process more emphasis needs to be placed on a candidate's teaching qualifications.

The committee's recommendations to establish an immediate tenure committee to oversee hiring cases was accepted by the Senate, along with a call to limit granting immediate tenure at the associate professor rank, except under special circumstances.

- In other business, numerous recommendations on travel procedures made by the Joint Faculty/Administrative Advisory Committee on Travel, were rejected by Senate members. The committee, charged with investigating an economic, convenient and efficient travel management plan for the University, asked for the formation of a joint faculty/administrative committee to monitor travel for the University community, and called for all University units to embrace a "lowest cost philosophy" when making travel arrangements.

The committee also recommended inviting all travel agents in State College to respond to a "request for proposal" to provide travel services to the University, and asked that agencies across the state also submit proposals.

- A proposed faculty/staff club at The Nittany Lion Inn was presented. The purpose of the club would be to give members of the University community an opportunity to get together on an informal basis and exchange ideas and opinions. **Barton Browning**, associate professor of German and chairman of the committee investigating the feasibility of the club, said membership fees will be held to a bare minimum and special consideration will be given to faculty and staff from other locations and to new faculty/staff at University Park. Lunches will be offered at a modest cost.

The committee hopes the club will open in the fall.

- The issue of evening parking availability in the central campus area of University Park was addressed by an informational report from the Parking Office. In the report, endorsed by the Senate Committee on Academic and Physical Planning, it was noted that only half of the vehicles filling the core campus area in the evening displayed valid parking permits.

Beginning in the fall semester the Parking Office will implement "Campus Event/Extended Reserved Parking" for the areas bounded by Atherton Street, Shortlidge Road, Park Avenue and College Avenue, plus the Eisenhower Parking Garage.

Under the plan, reserved hours, which previously varied by lot, will be extended in these areas until 9 p.m. From 7 a.m. through 5 p.m., current restrictions concerning assigned areas will remain the same. But from 5 p.m. to 9 p.m., the central campus area outlined above will become open parking for vehicles displaying appropriate, valid parking permits. Usual restrictions, such as reserved spaces and no parking areas, will still be enforced. More information is available from the Parking Office.

- The next Faculty Senate meeting will be held Sept. 22 at 1:30 p.m. in 112 Kern.

Private Giving

Bequest to help University Libraries and lecture series in College of H & HD

Dorothy V. Harris

An $80,000 bequest from longtime University faculty member **Dorothy V. Harris**, has established an endowment for the University Libraries and a lecture series in the College of Health and Human Development.

Dr. Harris, who died last year, was internationally recognized for her pioneering work in sport psychology and women in sport. She had been on the faculty since 1970.

The Dorothy Harris Libraries Endowment, created with a principal of $50,000, will be used to purchase and maintain books, periodicals and other materials related to sport psychology and exercise psychology. These will be added to Dr. Harris' personal collection, which she donated to the Libraries.

The Dorothy Harris Lecture series, endowed with the remaining $30,000, will support visiting lectures by eminent teachers and researchers in sports psychology. At Dr. Harris' request, preference will be given to a woman lecturer every other year, and to an international lecturer every fourth year.

At Penn State, Dr. Harris developed one of the nation's first graduate programs in sports psychology and was the first woman president of the North American Society for Sport Psychology. She also was a major force in promoting intercollegiate athletics for women and headed the first Research Conference on Women in Sport in 1972.

Donation of $50,000 to go toward two causes at University

Donald W. Davis, former president and chairman of the board of The Stanley Works and a Penn State alumnus, has given $50,000 to the University — $48,000 to the campaign for the Academic/Athletic Convocation and Events Center and $2,000 to the Class of 1942 scholarship fund.

The 16,500-seat center, to be built at University Park, will house a variety of academic, athletic, cultural and entertainment events and will cost about $55 million. The state legislature has appropriated $33.8 million for the project, and the University is raising $20 million in private funds.

Mr. Davis, who is a Distinguished Alumnus of the College of the Liberal Arts and an Alumni Fellow, moved from his native New England to State College when his father joined the University faculty as an advertising professor in the 1930s. He graduated from State College High School and earned a degree in journalism from Penn State in 1942. He then earned an M.B.A. from Harvard University in 1948.

In 1966, at age 44, Mr. Davis became the youngest person in the history of The Stanley Works to be named president. He retired in 1989 as chairman of the board. His sister, Marilyn Mazza, is director of South Hills Business Schools in State College, where she and her husband also own Mazza Computer Systems.

A recent study by University researchers estimated that when the Convocation Center is fully operational, it will be hosting up to 200 events annually and attracting 1.25 million visitors. This level of activity would result in a $24 million annual economic impact for central Pennsylvania and the creation of 500 jobs.

Construction is expected to begin in January 1993 and the facility should be open by the 1994-95 winter sports season.

Alumnus honors father with $295,000 donation to spawn science

University alumnus **John B. Swayne Jr.** has given $295,000 to increase the endowment of a professorship in spawn science that he established last year.

Named in honor of his father, the John B. Swayne Professorship in Spawn Science was initially endowed with a $250,000 gift. It will strengthen research and teaching programs related to the needs of the nation's commercial mushroom industry.

"Jay's commitment to research in this economically vital area matches his commitment to Penn State," said **Lamartine F. Hood**, dean of the College of Agricultural Sciences. "This gift will accelerate the research programs under way, and virtually assures the continuing success of our mushroom program."

Mr. Swayne is the former president of J.B. Swayne and Son Inc. of Kennett Square. The company was named for his father, who pioneered the growing of mushrooms for commercial sale in America in the 1880s.

Income from the professorship will be used to supplement the salary and the research, graduate assistant and professional travel expenses of the Swayne Professor.

Associate dean gives $35,000

Stanley Mayers Jr., associate dean for undergraduate studies and professor of health policy and administration in the College of Health and Human Development, has given $35,000 to establish a scholarship fund for undergraduate students named in honor of his late wife.

The Virginia L. Mayers Memorial Scholarship is to be used to recruit outstanding freshmen and to provide recognition and financial assistance to deserving and needy students in the college.

Virginia Mayers held a master's degree in microbiology and worked for many years for Merck Sharpe, and Doehm Pharmaceutical Co. as a research associate before becoming a mother and homemaker. She died in 1990.

Dr. Mayers holds both an M.D. degree and a master's degree in public health. He joined the University faculty in 1971, after a career in public health administration.

One scholarship will be awarded to a qualified incoming freshman of any major each year, and one will be awarded to a student majoring in health policy and administration.

College of Engineering

GM funds scholarships

General Motors Corp. has given $39,000 to fund scholarships for students in the College of Engineering. The awards cover tuition, fees and a $200 book allowance for each recipient. The company started the GM Scholars program at Penn State in 1978 and has increased its funding for the program each year.

GM scholars for the 1991-92 academic year include:

- **Brian Donato** of Monroeville, mechanical engineering.
- **Eric Neuwirth** of McKees Rocks, mechanical engineering.
- **Christina Hogan** of Endicott, N.Y., electrical engineering, and
- **Barbara Ann Ritter** of Renton, Wash., electrical engineering.

General Motors has contributed more than $1.8 million for scholarships in engineering and to other fields at Penn State since 1958.

News in Brief

'Sundae Sunday'

A four-day celebration of the 100th anniversary of ice cream at Penn State will kick off Sunday, May 3, with an ice cream social open to the public. "Sundae Sunday" will be held in the Hetzel Union Building at University Park from 2 to 5 p.m. Admission is $1.

"Participants can sample ice cream representative of five periods in history," says **Arun Kilara**, professor of food science and chair of the event, which is sponsored by the College of Agricultural Sciences.

"Sundae Sunday" is the first event scheduled for the Penn State Ice Cream Centennial Conference to be held May 3 to 6 at the Nittany Lion Inn. The conference celebrates the 100th anniversary of the Ice Cream Short Course, the oldest, best-known and most comprehensive educational program in the science and technology of ice cream.

Fulbright grants deadlines

Deadlines are fast approaching for faculty and staff to apply for Fulbright grants. Most deadlines are Aug. 1. The southern hemisphere deadlines (Australia, New Zealand, etc.) are June 15.

Anyone interested should contact **Mary Gage**, Fulbright Program adviser, in the Office of International Programs, (814) 865-7681, 222 Boucke Building, at University Park, for information and an application.

Semiotics Roundtable

The sixth International Roundtable on Law and Semiotics will be held April 30, May 1-3 at the Inn At Reading and is sponsored by the Center for Semiotic Research in Law, Government and Economics at the Penn State Berks Campus. The topic of the sessions will be "Flux, Complexity and Illusions." Keynote speaker will be Marc Galante from the University of Wisconsin at Madison.

For information on the roundtable, call **Roberta Kevelson** at (215) 775-3389 or (215) 320-4847.

Across America Tennis Day

The Penn State Tennis Club will host two free tennis clinics as part of the U.S. Professional Tennis Association's "Across America Tennis Day" on Saturday, May 9.

The clinic will be conducted by U.S.P.T.A. Pro **Terry Bobbitt**, head professional at the club, along with Penn State Coaches **Jan Bortner** and **Sue Whiteside**, other professionals and top players from the area. The clinics are for players of any level as well as beginners.

An adult clinic will be held at 9 a.m. and a junior clinic at 11 a.m. both ar open to the public, free of charge. For more information call the Penn State Tennis Club at 865-1351 or 865-1381.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, May 7. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (US-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 02348, **Account Specialist, Continuing Education, Office of Marketing, University Park Campus** — Responsible to the director of marketing communications for working with program faculty, conference planners, and marketing specialists, in managing marketing communications materials for Continuing Education. Requires bachelor's degree, or equivalent, in marketing, communications, advertising, journalism, English, or related field plus one to two years of effective experience in marketing communications, advertising, or related areas, including project management and editorial responsibilities. Applicants should possess excellent writing and oral skills along with knowledge of communications technologies, graphic design, and printing industries. STAFF GRADE 6

■ 02349, **Graphics Programmer, Computer and Information Systems, Center for Academic Computing, University Park Campus** — Responsible to the manager, Visualization and Workstations, for providing expertise and assistance in the fields of visualization, visual communication, synthetic image techniques, and related areas. Requires bachelor's degree, or equivalent, in computer science or an appropriately related field plus a minimum of two years of effective experience in computer graphics and visualization. Experience with current image synthesis technologies is required. Familiarity with VM/CMS and Unix workstations highly desirable. Familiarity with Wavefront, PV-Wave, IRIS Explorer, DI-3000, NCAR Graphics, PostScript, and experience with Sun, IBM, or Silicon graphics workstations. A portfolio (flat or video) of recent work in visualization area is desired. STAFF GRADE 7

■ 02350, **Data Base Programmer/Analyst, Computer and Information Systems, Management Services, University Park Campus** — Responsible for providing data base support services to personnel. Responsible for development and modification of database systems. Assist in installation, testing and maintenance of database system software products, identify and interpret database system software malfunctions and work with the vendor towards problem resolution. Provide technical support after hours. Requires bachelor's degree, or equivalent, in computer science plus one to two years of effective experience in systems programming or applications programming for database systems. Database administration experience with Software AG product line or IMS DBMS highly desirable. STAFF GRADE 6

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by May 7.

■ 10257, **Coordinator, Academic Program, Department of Surgery** —Responsible for coordinating the professional and academic functions of the department, including publications, promotion and tenure, surgical education, residency programs; recruitment of academic staff, including affirmative action and liaison with other departments and outside organizations. Requires a bachelor's degree or equivalent experience plus one to two years of effective administrative experience. STAFF EXEMPT, GRADE 6

■ 10318, **Administrative Aide, Department of Biostatistics and Epidemiology** — Responsible for business and administrative functions of the Epidemiology unit, including budgetary responsibilities, implementing established departmental operational policies, liaison with other department and outside organizations and providing editorial assistance. Requires an associate degree (or equivalency) in business administration plus one to two years of effective experience. Knowledge of a networked computer environment, including electronic calendar/electronic mail preferred. Experience using wordprocessing, spreadsheets, and desk top publishing software required. STAFF NONEXEMPT, GRADE 5.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Office of Public Information, Room 312, Old Main, Phone 865-7517.

William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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INTERCOM

May 14, 1992 Volume 21, Number 31

Academic quality is the focus

Department heads and deans briefed on budget

President Thomas and Executive Vice President and Provost Brighton recently met with more than 140 department heads and deans to review the planning and budget activities currently under way at the University.

Dr. Thomas opened the meeting by discussing the factors which make it necessary to develop a new approach for planning and budgeting at Penn State. Dr. Brighton outlined the ongoing work of the recently appointed University Future Committee, including the processes which have been initiated and the timetable established which will result in recommendations to the President on budget and planning.

Dr. Thomas reviewed the significant growth in students, research, and responsibilities that occurred at Penn State in the 1980s.

"We are stretched to our limits in terms of budget resources, physical plant facilities, and tuition concerns," he said. "We are at a point where there must be a major change in our approach to budget reductions."

The President said Penn State can no longer continue to do more with less. Instead, he said, "we will have to narrow the focus of our activities. It is imperative in this that we hold fast to our commitment to do those things that we do very, very well."

President Thomas advised department heads and deans that he has asked Provost Brighton to be sure that the University Future Committee helps Penn State "narrow its focus very sharply on academic quality."

Both Dr. Thomas and Dr. Brighton stated that Penn State is not in a budget crisis situation typical of some academic institutions across the country and expressed confidence that the fiscal challenges here could and would be met.

Dr. Brighton noted that the Future Committee will hold preliminary meetings soon with the 23 heads of budgetary units, representing both academic and non-academic areas. The purpose of the meetings is to give the Committee a better understanding of the various units.

Follow-up meetings involving more specific plans will come later in the year. Support units will be the first to make proposals for trimming their budgets and for reallocating back into their units a portion of those funds. Later in the fall, academic units will present their proposals for the University Future Committee to review.

Dr. Brighton, who chairs the University Future Committee, has asked heads of budgetary units to submit

See "Budget activities" on Page 6

Holdings of Top 25 Research Libraries in U.S. and Canada, 1990-1991

University Libraries

	Rank	Volumes in library	Volumes added	Current serials	Total staff	Total expenditures
Harvard	1	12,169,049	402,984	96,704	1,134	$50,249,192
U. of California at Berkeley	2	7,607,027	188,270	87,530	776	32,723,415
Yale	3	9,013,561	166,244	52,210	689	30,151,200
U. of California at Los Angeles	4	6,179,973	179,309	96,733	662	31,926,086
U of Toronto	5	6,091,828	188,691	39,016	692	28,430,815
Illinois at Urbana-Champaign	6	7,918,951	170,493	91,017	502	19,482,434
U. of Michigan	7	6,579,152	128,783	70,157	619	25,759,418
U of Texas	8	6,505,219	215,341	52,182	596	19,447,403
Stanford *	9	5,987,592	142,689	50,157	536	31,697,862
Columbia	10	6,142,293	122,219	60,764	633	25,396,688
Cornell *	11	5,344,481	145,157	59,928	570	22,872,682
U. of Washington	12	5,065,669	153,014	53,408	511	22,379,841
U. of Wisconsin	13	5,133,457	111,900	49,626	524	23,020,227
U. of Minnesota	14	4,761,630	117,678	42,304	526	24,386,140
Indiana U.	15	5,099,250	156,020	38,782	475	19,931,037
U. of Chicago	16	5,328,849	140,573	46,976	389	16,083,176
Princeton	17	4,839,356	135,239	32,950	390	18,748,412
Penn State *	**18**	**3,191,245**	**112,240**	**33,460**	**479**	**18,505,042**
Duke	19	4,016,036	167,705	35,554	331	14,919,597
Rutgers *	20	3,302,416	97,601	28,161	512	22,592,499
Ohio State	21	4,517,095	99,734	32,151	474	17,020,796
U. of North Carolina	22	3,856,378	112,134	39,223	391	15,435,157
U. of Arizona	23	3,917,361	128,928	31,919	376	14,708,494
U. of Pennsylvania	24	3,756,762	95,568	32,118	388	17,640,959
U. of British Columbia	25	3,019,879	108,398	22,729	406	19,667,619

Source: *Association of Research Libraries*

* Includes branches as well as main institution

Rankings are based on an index developed by the Association of Research Libraries to measure the relative size of university libraries. The index takes into account the number of volumes held, number of volumes added during the previous fiscal year, number of current serials, total operating expenditures, and size of staff, excluding student assistants. It does not measure a library's services, the quality of its collections, or its success in meeting the needs of users

McKeesport Campus

Executive officer post filled

Joanne E. Burley, assistant vice president for academic affairs at Chatham College, has been named campus executive officer at the Penn State McKeesport Campus, effective July 1.

"Dr. Burley's academic background, administrative experience and her knowledge and involvement in the Greater Pittsburgh area make her an excellent candidate to serve as CEO," **Robert E. Dunham**, senior vice president and dean of the Commonwealth Educational System, said. "We are delighted to welcome her into the CES system."

In her current position, Dr. Burley oversees the development and monitoring of academic programs for on-campus and off-campus communities, proposal writing, identifying external funding sources, and participating in faculty and staff recruitment, training and development.

Also as faculty member, she has served as chairperson of the Education Department and the Social Science Division at Chatham College. Her research has focused on adult literacy and she has received funding from federal and state agencies and foundations. She is the co-editor of a textbook *Perspectives: From Adult Literacy to Continuing Education* (Wm. C. Brown 1992).

Among her many accomplishments, Dr. Burley is an editorial board member for *Innovative Learning Strategies*, a publication of the International Reading Association; a board director for the Allegheny County Literacy Consortium, and a vice president for the Coalition for Adult Literacy.

She also is a past national treasurer for the College Reading Improvement, a special interest group within the International Reading Association; executive board member, treasurer and vice chairperson for the Pennsylvania Act 101 Programs; and a member of the McKeesport Campus Advisory Board.

She has earned a bachelor's degree from Penn State, a master's degree from Fairfield University and a Ph.D. from the University of Pittsburgh. Post-doctoral study was done at the Management of Lifelong Learning Institute, Harvard University.

Joanne E. Burley

Focus on Diversity

Two from The Smeal College honored for diversity leadership

J.D. Hammond, dean of The Smeal College of Business Administration, has received the Leadership in Diversity Award.

The award recognizes individuals in The Smeal College who have instituted policies and procedures to assure cultural diversity in the college.

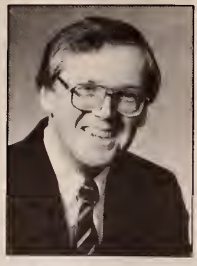
Dr. Hammond, who also is the William Elliott Professor of Insurance, was cited for his creation of the Dean's Committee on Diversity Issues in the college and for his support of the Minority Scholarship Fund.

The dean's committee was formed to continuously access the climate for diversity in The Smeal College and, if appropriate, to make innovative recommendations on ways to provide faculty, staff and students a positive atmosphere in which to work and to learn.

Charles C. DuBois, assistant to the dean for communications in the college, received the 1992 Diversity Award from minority MBAs and MBA staff.

The award recognizes those of The Smeal College's faculty and staff who, through their work and voluntary efforts, actively support and promote the recruitment, transition and retention of minority MBAs at Penn State.

A six-year member of The Smeal College staff, Mr. DuBois has long been involved in the cultural diversity efforts of the college and currently is overseeing the production of new graduate programs marketing materials for minority students.



Charles C. DuBois

J.D. Hammond

Asian American Awareness Day

A University student performs a Korean ribbon dance at Asian American Awareness Day held in the Hetzel Union Building Fishbowl at University Park. Other activities included speakers and a fashion show. The event was sponsored by the Asian American Student Coalition and co-sponsored by the Chinese American Student Association, Korean Undergraduate Student Organization, Penn State Filipina Association, Friends of India and the Pakistan Forum.

Photo: Greg Grieco

"Leadership for the 21st Century"

Conference focusing on women

The Pennsylvania Commission for Women is hosting an all-day conference focusing on "Leadership for the 21st Century," at the Keller Conference Center at University Park, Saturday, May 30. The deadline for registration is May 15.

The conference — which features a keynote address by Frances Hesselbein, president and chief executive officer of the Peter F. Drucker Foundation for Nonprofit Management — includes three workshop sessions. Ms. Hesselbein, who has appeared on CBS and was featured on the cover of Business Week in 1990 and the cover of Savvy magazine as an example of managerial excellence, will speak on "A Call to Action" for women.

The workshop sessions, which will run from 9 a.m. to 3:45 p.m., encompass a variety of topics, including sexual harassment, career opportunities for women, gender equity in education, self-esteem, diversity and a host of other issues affecting women and society.

The cost of the conference is $55. For more information on individual sessions or to register, call the Pennsylvania Commission for Women at (717) 787-8128. The Commission for Women, which sponsors statewide educational seminars and programs, works to ensure that Pennsylvania women have equal opportunity and treatment in all aspects of life.

Diversity Opportunities ❦ Calendar ❦

Tuesday, May 19
Paul Robeson Cultural Center, noon to 12:50 p.m., Paul Robeson Cultural Center Auditorium. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Tuesday, May 26
Professional Women at Penn State, 11:45 a.m. to 1 p.m., Eisenhower Chapel Frizzell Room. General meeting.

Paul Robeson Cultural Center, noon to 12:50 p.m., Paul Robeson Cultural Center Auditorium. Brown bag lunch social titled, "Jazz in the Box," featuring recorded jazz.

Saturday, May 30
Pennsylvania Commission for Women, 8 a.m. to 3:45 p.m., Keller Conference Center. The "1992 Leadership for the 21st Century" conference was organized to encourage mentoring and networking, examine public policy affecting women in Pennsylvania, demonstrate leadership skills building and showcase women leaders in Pennsylvania. Fee is $55. For more information, contact Jacqueline Smith at (717) 787-8128.

Focus on Diversity

WPSU sets summer schedule

Thirteen-part series to run

"From Griot to Exile," a 13-part radio series on the literatures of Africa, will be broadcast this summer on Odyssey Through Literature. Ranging from the Sahel to South Africa, from the Middle Ages to the present, these programs are repeat broadcasts from Odyssey Through Literature's 10-year archive.

Odyssey Through Literature

On May 20, South African novelist J.M. Coetzee and guest host John Buck, assistant professor of English, center their discussion on Mr. Coetzee's prize-winning novel *The Life and Times of Michael K* and its central theme of "camps."

The program, "Lives and Times," was recorded in 1986 during Mr. Coetzee's visit to University Park.

On May 27, Penn State anthropologists Pat Draper and Henry Harpending introduce host Leonard Rubinstein to the !Kung Bushman language. !Kung uses few adjectives or adverbs, replacing them instead with "an astounding vocabulary of verbs," Dr. Draper says. To describe a feeling of homesickness, for instance, a !Kung speaker will choose a single "precise, wonderful word" that, in perhaps one syllable, will replace several English sentences.

"Odyssey Through Literature" is produced by the Department of Comparative Literature in the audio-production studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM. For a complete listing of the summer "From Griot to Exile" series, contact the Comparative Literature Department, N434 Burrowes, 863-0589.

Diversity Briefs

New video views multicultural America

Audio-Visual Services has acquired a new video titled "America Becoming," (90855,VH). This PBS production looks at how changes in the 1965 immigration laws have attracted fresh waves of newcomers, this time largely from Asia, Latin America, the Middle East, and Africa.

The video also examines how this new diversity of nationalities, languages, and religions is being accommodated. "America Becoming" introduces a dramatic vision of a multicultural America where people of color are the new majority.

The videotape is available at no charge to University faculty and staff for classroom use. At University Park, call 865-0913 to make arrangements for a preview showing. At a Commonwealth Campus, contact the campus instructional services specialist for more information.

Meeting of Professional Women

An open agenda is planned for a meeting of Professional Women at Penn State at 11:45 a.m. Tuesday, May 26, in the Frizzell Room of Eisenhower Chapel at University Park.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance from men and women in all job and student classifications at the University.

President Thomas to speak at reception

President Thomas will speak at the annual Recognition Reception of the Penn State Chapter of Educational Office Personnel at 5:30 p.m. Wednesday, May 20, in Coaly's Cafe, Hetzel Union Building, at University Park.

The seventh annual Outstanding Office Personnel Award will be presented at the reception. PSEOP established the award to give recognition to University staff who have provided exceptional meritorious service on behalf of Penn State.

PESOP members are invited for a charge of $4 and non-members for a charge of $6. Those interested in attending should contact Linda Lou Houtz, 213 Henning Building, telephone 865-5573.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, staff non-exempt, clerical and technical services. For information, call Jenny King, president, 865-7681.

Faculty/Staff Alerts

Memorial Day Hours

The Penn State Information and Directory Assistance hours for Memorial Day, May 25, are 8:30 a.m. to 4:30 p.m.

Normal hours of 7:30 a.m. to 11 p.m. will be resumed on Tuesday, May 26.

Interoffice envelopes

Mail Services would like to remind the University Community that interoffice envelopes are available upon request from Mail Services Quantities of up to 50 can be received at any time. It is imperative that interoffice envelopes stay in circulation to avert a shortage. Any excess inventory can be returned to Mail Services to facilitate distribution

For more information concerning interoffice envelopes or Mail Services in general, please call 865-4051.

Telephone directories update

The Department of Publications is continuing to update information for the general information and University departmental listings of the Penn State student and faculty/staff telephone directories (pages 1 through 80).

Faculty and staff are asked to help make the updating as efficient as possible by photocopying the page(s) that pertain(s) to their areas, and sending updates to the Department of Publications, Directories, Suite A, Barbara Building, by June 3. The departmental listings on pages 25 through 80 in the Faculty/Staff Directory are identical to that section in the Student Directory. Please submit only one update of material if it is between pages 25 and 80 and that update will be used for both books.

Changes for individual listings (pages 81 through 174) in the Faculty/Staff Directory for full-time employees are handled by the Payroll office. For changes in home addresses and telephone numbers, and for changes in work addresses and phone numbers, submit a revised W-4 form to Payroll; for changes in work addresses and phone numbers, submit an Office Address and Telephone Information form to Payroll. Contact your Human Resources representative for further information. If you have discovered an error in your present individual listing, contact the Payroll office to report it.

If you have any questions about sending your area's update or about adjunct listings, call Publications at 814-863-1870. If you have questions about your individual listing, call the Payroll office. Please submit all information to Publications by June 3.

Toner cartridge recycling

The Office of Business Services has implemented a new recycling program for empty toner cartridges.

Beginning in May, Business Services will collect used Apple, Hewlett Packard, and Canon laser toner cartridges. At present, only laser toner cartridges can be recycled.

Please return cartridges to their original packaging and take them to the nearest University Park Copy Center location 122 Ag Administration, 107 Business Services, 5206 Henderson, 110 HUB, 20 Old Main, 116 Rackley, 5A Steidle, 13 Whitmore, or 9A Keller

For general information, or a scheduled pickup at any Penn State location, call (814) 865-3061.

Sprucing up campus

As part of coursework, landscape contracting students work to make University Park beautiful

Looking over landscape plans from left to right are student Ken Maccarata, Assistant Professor Perry Morgan, and Glen Deal and Frank Lavanti, both students.

Before adding greenery, students must prepare the ground for planting. From left they are Mark Leppert, George Schoedel, Barry Berkhalder and Doug Wallraven.

Sprucing up the outside of the Nittany Lion in with colorful rhododendron are (left) Dave Gratzinger and Mark Leppert

Photos: Greg Grieco

In a unique display of Penn State pride, landscape contracting students in the College of Agricultural Sciences spent Spring Semester making the University Park Campus more beautiful.

Working with plans developed cooperatively by faculty in Landscape Contracting and staff in the Office of Physical Plant, the students constructed the new garden courtyard at the Nittany Lion Inn.

"We draw visitors year round so the landscaping has to be just right," says **James Purdum**, manager of operations at the Inn. "We're grateful to the students who put so much effort into the project and look forward to working with them in the future."

The students landscaped the inner courtyard that surrounds the new glass pavilion. With support and materials from Maintenance and Operations staff in Physical Plant, they constructed beds and installed flowers and ornamentals.

"The Inn landscaping has been an outstanding effort of cooperation between our staff in Physical Plant and the students in the Department of Landscape Contracting," says **John Joseph**, senior landscape architect for the Office of Physical Plant. "It is no easy feat to go from concept to completion in the short time of one semester. We look forward to working with students again — working on campus projects is a great way to give them the practical experience they need for the real world."

As part of their course work for HORT 368, the students completed their own inventory and analysis of the courtyard site and prepared concepts and construction documents.

They also developed plans for the main entrance to the Ag Progress Days site and for the area around the Pasto Museum, which they implemented. Both are at the Larson Agricultural Research Center.

"Material growing at the Horticulture Farm next door was transplanted to create an attractive setting for the museum," Dan Stearns, assistant professor of landscape contracting, said. Students will implement design plans for the main entrance at another time.

"Both the work at the Inn and the Larson Research Center has been a tremendous educational experience for our students," **Perry Morgan**, assistant professor of landscape contracting, said. "They applied theoretical principles of planting design to real-life situations working with clients and dealing with time and budget constraints."

Several landscape contracting students also worked on redesign plans for the Blue and White golf courses as part of an independent study course.

Students used the Department of Horticulture's state-of-the-art computer laboratory to build 3-D models of the golf course, compute volumes of earth to be moved in construction and visualize the end result.

Mike Halm, instructor in landscape contracting and manager in the Center for Academic Computing says, "computers let students explore more alternatives than using traditional drawing board methods. Computers also help them develop visualization and analysis skills to form better solutions."

Multicultural education: An idea whose time has come

Editor's Note: The following update on multiculturalism initiatives was provided by Vice Provost James B. Stewart.

The Pennsylvania State University enunciated four strategic planning goals in January, 1990 to position the institution as an international leader in higher education for the 21st century. The goals naturally speak to issues of national and international preeminence, stature within the Commonwealth of Pennsylvania, and organizational effectiveness in fulfilling the University's missions of education, research, and service.

One of the four goals is "To build a supportive environment for women and men in the University's classrooms and research centers and in our communities that reflects our nation's diverse racial and ethnic populations and the multifaceted histories, experiences, and knowledge of all humankind." The strategic planning guide developed for the Commonwealth Education System indicates that "Diversity is a celebration of differences and an appreciation of the bonds that unite all people. Experiencing diversity is a component of a quality educational experience; to achieve excellence it is also imperative to achieve diversity."

Penn State recognizes that the realities of the 21st century require an increasing synergism between efforts to foster diversity and other missions. The experiences of diverse individuals and organizations operating in either domestic or international multicultural environments have produced a growing consensus that barriers preventing certain segments of the U.S. population from full participation in the process of societal growth and transformation must be eradicated.

Diversity is a celebration of differences and an appreciation of the bonds that unite all people.

The focus on the complementarity between traditional missions and multicultural transformation is most evident in the private sector. Business firms are devoting significant resources to human relations training to ensure that diverse workforces can function efficiently. Some consultants are advocating multicultural teams that bring diverse experiences and knowledge to bear on an issue. In addition, many firms increasingly are employing "niche marketing" strategies to reach specific groups of potential customers. These firms have recognized that developing a multicultural perspective and workforce is not simply altruistic, but good bottom-line business.

Given this trend, it is ironic that institutions of higher education are well behind their counterparts in the private sector. There are several reasons why colleges and universities should be in the vanguard rather than the rear guard. One reason is that higher education is uniquely challenged by changing demographics. Increasingly we are called on to create a healthy learning environment among students who have ever declining opportunities to be familiar with other cultures. Campuses are facing growing levels of interpersonal and intergroup conflict, intolerance and hate violence. This phenomenon led to the establishment of the Pennsylvania Task Force on Intergroup Relations to explore this problem in depth.

Another reason higher education must provide leadership in approaching issues of diversity and multiculturalism derives from its prime directive to engage in the search for knowledge. To ignore the challenges to traditional scholarship in many disciplines that have crystallized over the last two decades through fields like Womens' Studies and African and African American Studies would be anti-intellectual. The process by which the "old" and "new" scholarship are and will be conjoined is not predetermined and will work itself out in ways similar to parallel developments in the past.

Unfortunately, much of the dialogue within and external to the academy has not met the standard of rational discourse that is expected of professionals in the educational arena. Instead, too often partisans resort to the meanest political tactics including willful misinformation campaigns and sophmoric sloganeering.

One example is the introduction of the term "politically correct" to characterize and caricature efforts associated with multicultural transformation. The etymology of the term is associated with its former use by Communist adherents as a means to identify "appropriate" interpretations of Marxist dogma. The attempt to color multiculturalism with a red paint brush is not only disingenuous but archaic in the context of developments in Eastern Europe.

We in higher education need to elevate our discussion to a more dispassionate plane worthy of the tradition that we seek to uphold. Through that process the strengths and weaknesses of various policies and approaches can be debated on their merits. Such a debate must necessarily be informed by facts rather than fantasies and innuendos.

The implications of Penn State's "diversity" strategic goal are straightforward. Preparing our students to live in a multicultural world is part of our responsibility as educators. Efforts to implement the goal benefit all members of the Penn State community, not simply particular groups. The broad benefits of Penn State's multicultural transformation can be seen most easily by examining three interrelated components of the action plan associated with the "diversity" goal.

At the most basic level the goal implies a set of institutional policies that mandate equal protection to all who participate in activities sponsored by the university. Certain categories, e.g. race, gender, age are specifically delineated because, both historically and in the contemporary era, these categories have served as bases for invidious discrimination. An important milestone was reached last year when the Board of Trustees voted to amend Penn State's nondiscrimination clause to include sexual orientation in the list of categories over which discrimination is specifically prohibited. Often stated charges of the absence of protection in civil rights legislation for white males are simply false. White males over forty years old are covered by the age discrimination statutes and special protection is provided to Vietnam-era veterans. Moreover, it is difficult to show how white males are being damaged by policies designed to mobilize the nation's entire stock of human resources. In spite of twenty years of policies promoting equal employment opportunity, gains in the representation of women and "minorities" in high level administrative positions have been minimal.

A second component of a viable action plan is the implementation of programs that neutralize environmental factors that work against the success of particular groups. The Center for Women Students is one such initiative. Other examples include the Learning Assistance Center and the Division of Undergraduate Studies. All of these programs provide information and support to all students. In addition, programs like the Center for Women Students provide special support to groups for whom the general environment has historically been particularly unsupportive. The logic associated with such support programs is straightforward. Students enter institutions of higher education with a wide range of skills, learning styles, and interests. As a consequence, support programs must be both flexibly designed and targeted to reduce excessive inter-group variation in retention and graduation rates.

A third component in the transformation process is the transmission to all students of information that they will need to function as professionals and as citizens in a world increasingly characterized by global interdependence. This is the logic behind cultural diversity requirements in university curricula. One objective of such a requirement can be thought of as the cultivation of cross-cultural communication and interaction skills. This is the type of skill mix that the private sector is attempting to cultivate among employees. Thus, such skills become analogous, in many respects, to the traditional basic skills of literacy and computational ability. Another objective is to help students develop a multicultural repertoire of problem/issue identification skills and approaches to analysis/solution. This is the foundation of the multicultural team problem-solving approach used in the private sector.

" Penn State recognizes that the realities of the 21st century require an increasing synergism between efforts to foster diversity and other missions. ...Preparing our students to live in a multicultural world is part of our responsibility as educators. "

James B. Stewart
Vice Provost

See "Multicultural" on Page 6

Housing the homeless

Students in Engineering 297 E. an experimental class designed to introduce students to hands-on aspects of engineering, display their final projects -- portable, affordable, environmentally friendly habitats for the homeless -- in front of Sackett Building at University Park.
(Photo: Greg Grieco)

Multicultural

Continued from Page 5

Penn State's diversity requirement recognizes the multiple objectives of a multicultural course requirement by (a) incorporating both a diversity-focused and diversity enhanced option, and (b) allowing students to select from a menu of courses. This design enables students to tailor multicultural awareness to skill acquisition.

It is important to appreciate that it is only through the existence of strong academic programs like Womens' Studies and African and African American Studies that the institution's multicultural educational objectives can be achieved. The collaborative interaction between these units and traditional areas of inquiry provides a process that leads to the continuous advancement of knowledge in all areas.

Given Penn State's commitment to multicultural education and the imperatives of societal transformation, the recent scurrilous attacks on the Women Studies Program, Center for Women Students, and the Lesbian, Gay, and Bi-sexual community are not only misguided, they divert attention away from the critical process of developing synergy among our institutional goals. Despite what the detractors of these efforts might have us believe, the future of Penn State does not lie in the 1950's when women were largely non-participants in institutions like Penn State; people of color were few and far between, and America was unquestionably the dominant force in the global order.

Our collective future will work itself out in a very different world system characterized by intense competition for national and sub-national advantages. There is, of course, no certainty as to how that future will unfold. However, various trends point consistently to the conclusion that if we don't hang together, in the sense of operationalizing a true multicultural milieu, we will surely hang separately. Penn State has seen the future and the future is now.

Carpoolers

One to three persons (non smokers) needed to form carpool from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Call Janice at 865-6516.

Pat is looking for a ride from Bellefonte to University Park. Her work hours are 6:30 a.m. to 3 p.m. starting in May. Call 353-8028 (home) or 865-7623 (work).

A carpool from the Lock Haven/Beech Creek/Howard area has an opening. Please contact Vicki at 865-3423 for more info (work hours are 8 a.m. to 5 p.m.).

LeAnn would like to carpool from the Tyrone/Bald Eagle area to University Park. Her work hours are 7:30 a.m. to 4:30 p.m. Call 863-3848 or 684-0673.

Carpool from Lewistown/Reedsville area to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call Lisa at 863-3250.

Budget activities

Continued from Page 1

several different funding plans. These will be taken into consideration along with the state appropriation made this summer in guiding the committee toward plans for the University's future.

"Although we are moving along on getting plans in place, this is certainly not going to be a quick process in completing the changes," he said. "We will ask the staff support units to offer recommendations sooner than the academic areas of the University. In keeping with our goal to improve academic quality, it is likely that support units will be asked to take on more financial responsibility than their academic counterparts. All told, the work of the Committee is going to take at least several years to accomplish."

"This effort will require the utmost collegiality if we are going to avoid some of the pitfalls other institutions have faced in difficult fiscal periods. We must avoid constituency thinking. The primary goal must be one that moves forward the academic quality of the institution," Dr. Brighton added.

A number of University staff and faculty already have begun submitting their ideas for changes that could help reshape the future of the institution.

"We are encouraging input from across the University," Dr. Brighton said. "We want to know where people think changes can be made to strengthen the quality of a Penn State education."

Both Dr. Brighton and Dr. Thomas reiterated earlier statements that actions taken as a result of this process will be done, if at all possible, without impact on current employees.

"Of course, in a period of a weak national economy there is certainly the possibility that funding for a particular research project might dry up," Dr. Brighton said. "That could always have an impact on the specific employees funded by such a grant. To date, however, we have not had to face that prospect."

"The primary goal must be one that moves forward the academic quality of the institution."

John Brighton
Provost

Dr. Brighton has asked that the financial proposals being developed across the University be prepared with an eye toward focusing critical resources in areas that will have the greatest impact on meeting the University's overarching goals. But the direction that eventually is taken will depend on many variables, including what kind of appropriation the University receives each year from the state.

"Dr. Brighton and I remain optimistic that Penn State will continue to move forward as an institution gaining in national reputation during the 1990s," Dr. Thomas said. "Much of what we are going through is the kind of critical self-examination an institution should take part in periodically, above and beyond any immediate fiscal concerns we have."

The President and Provost noted that several other initiatives are taking place in tandem with the work of the Future Committee. Continuous Quality Improvement initiatives, for example, are under way at the University. Louise E. Sandmeyer was recently named director of the Continuous Quality Improvement Center and will work with the University Council on Continuous Quality Improvement, which was appointed by President Thomas last year.

An all-day conference is scheduled in June for University officials to get a first-hand look at how Total Quality Management techniques are being used at other universities and in the corporate world nationally.

"To move an institution forward and to new heights in difficult fiscal times is possible and we are going to do that at Penn State," Dr. Brighton said. "We have a strong institution and faculty, staff and technical service employees who are dedicated to seeing Penn State continue to advance in the quality of its programs and national reputation."

Suggestions for the University Future Committee may be submitted to the provost's office, 201 Old Main, or to any member of the University Future Committee.

University Park Calendar

May 14 - May 31

Special Events

Thursday, May 14
Trustees meet at University Park, through May 15.
Professional Women at Penn State, brown-bag lunch meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel.
Saturday, May 16
Spring Semester Commencement, through Sunday, May 17.
Wednesday, May 20
Penn State Chapter of Educational Office Personnel, recognition reception, 5:30-7:30 p.m., Coaly's Cafe, HUB. President Thomas will be guest speaker. Call Linda Lou Houtz, 865-5573.
Saturday, May 23
Shaver's Creek, 2-3:30 p.m., Native American Culture for Kids. Call 863-2000.
Sunday, May 24
Shaver's Creek, 2-3:30 p.m., Tropical Trek. Call 863-2000.
Monday, May 25
Memorial Day, no classes.
Friday, May 29
Shaver's Creek, Summer Stargazing Program, Session I. Cloud Date- May 30. Call 863-2000.
Saturday, May 30
Alumni Reunion, through May 31.
Shaver's Creek, 10-11:30 a.m., Turtle Time. Call 863-2000.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

Continuing Education
Keller Building
May 14. Pennsylvania Bar Institute Shirley Hendrick, chair; Jerri Milsom, coordinator.
May 16-19. Pennsylvania Junior Academy of Science. Norman Freed, chair; Jack Sinclair, coordinator
May 18-19. Cooperative Coal Research. Allan Davis, chair; Jack Sinclair, coordinator.
May 18-20. 46th Annual Tax Conference. Charles Enis, chair; Barb Impellitteri, coordinator.
May 18-22. HEC-2 Floodplain Hydraulics. Arthur Miller, chair; Barb Impellitteri, coordinator.
May 18-22. POSIT. Ed Donovan, chair; Kathy Karchner, coordinator.
May 19-20. Overview of Coal Mining Industry. Robert Frantz, chair; Roger Maclean, coordinator.
May 21. Coordinating Council Annual Conference. Stephanie Tyworth, chair; Jerri Milsom, coordinator.
May 22-24. Pennsylvania Junior Classical League. Jerri Milsom, coordinator.
May 22-25. East Coast Volleyball. Ellen Perry, chair; Roger Maclean, coordinator.
May 26 and 28. Pennsylvania Bar Institutes. Shirley Hendrick, chair; Jerri Milsom, coordinator.
May 27-29. Computer Analysis of Mine Ventilation Systems. R.V. Ramani, chair; Roger Maclean, coordinator.
May 27-29. POLEX/POSIT Alumni Conference. James Horner and Edwin Donovan chair; Kathy Karchner, coordinator.
May 27-30. Building Solidarity. Gilbert Call, chair; Chuck Herd, coordinator.
May 29. The Neuropsychological Basis of Child Psychopathology. Jack Sinclair, coordinator.
May 29-31. NOW Mid-Atlantic Region Conference. Robert F. Nicely, chair; Donna Ricketts, coordinator.

"Bachi," a polished bronze sculpture by Japanese artist Masayuki Nagore, is on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank during the month of May. The exhibit is part of the "Art to Go" exhibition.

May 29-31. American Regions Mathematics League. Bill Sterner, coordinator.
May 29-31. Profiles in the Third Age. Jim Weeks, chair; Roger Maclean, coordinator.
May 30. Leadership for the 21st Century—PA Commission for Women. Shirley Hendrick, chair; Donna Ricketts, coordinator.

Seminars

Thursday, May 14
Computer Science, 4 p.m., 325 Whitmore. Neil Immerman, Univ. of Mass., on "The Role of Ordering."
Thursday, May 26
Inorganic-Organic, 1:15 p.m., 55 Osmond. Daniel Singleton, Texas A and M.

Exhibits

Hetzel Union Art Galleries:
Art Alley Cases:
Guild of Craftsmen, through May 24
Art Alley Panels:
Pennsylvania, Guild of Craftsmen, through May 31
Browsing Gallery:
Raquel Berg, through May 31.
Kern Galleries
"Raku," Nancy Ziegenfus-McIntosh, through May 17.
Traveling Photography, through May 30.
Pattee Library
Main Lobby:
"Coal Collection Treasures from the Historical Collections and Labor Archives," through May 22.
Lending Services Gallery:
"Bittersweet," an exhibition of watercolors by Alyce Ritti, through May 31.
Rare Books Room:
The Thought of W.E.B. DuBois, through May 30
The Medieval City Under Siege: Urban Warfare in the Middle Ages, through May 30.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—156.

News in Brief

Health Services hours

University Health Services hours of operation for Intersession and Summer Semester are: 8 a.m. to 5 p.m. Monday through Friday.

Laboratories move

The University's soil fertility laboratory, soil and environmental testing laboratory and plant analysis laboratory have been consolidated at a new location at University Park.

The new facility, the Agricultural Analytical Services Laboratory, serves growers of agronomic and horticultural crops, home gardeners and industry as well as researchers in the College of Agricultural Sciences.

Farmers and home owners requiring soil tests may purchase kits for $6 at Penn State Cooperative Extension offices or at 111 Agricultural Analytical Services Laboratory. The laboratory is located near the intersection of North University Drive and Tower Road and is open Monday-Friday, 8 a.m. to 4:30 p.m. For more information about the services it offers, call (814) 863-0841.

Summer child care programs

Summer day camps are being offered at University Park for school-age children. They include Hetzel Union Center for Arts and Crafts Day Camp (863-0611), Shaver's Creek Environmental Center Discovery Day Camp (863-2000), and Stone Valley Recreation Area Day Camp (863-0762). Call them for more details regarding program services.

The child care programs at the Penn State Harrisburg and New Kensington campuses also will offer summer school-age programs.

A complete listing of the State College area's 1992 summer child care/day camp programs is available by calling Child Care Program Services in the Office of Human Resources at 865-5886

Penn State Harrisburg institute

Fifteen international textbook writers and curriculum developers who teach English as a foreign language attended a week-long institute hosted by the American Studies Program at Penn State Harrisburg.

The program, "Unity and Diversity in American Culture," features classroom sessions, site visits and library activities discovering the unifying themes of American history, literature and culture, and exploring expressions of cultural diversity within the United States. The institute is administered by the U.S. Information Agency which heads the U.S. government's international educational exchange program, known as the Fulbright Program.

Simon Bronner, coordinator of the American Studies program at Penn State Harrisburg, and William Mahar, division head of humanities, were hosts for the institute. The participants are studying the nation's history and culture through the sites associated with the region, to provide a backdrop for instruction in American English.

Obituaries

Harry P. Cowen, financial officer, Controller's Office, from Sept. 1, 1962, until his retirement June 30, 1981, died April 4 at the age of 76.

Mary F. Davis, accounting clerk, Penn State Harrisburg, since March 2, 1981, died April 8 at the age of 53.

Joseph W. Droege, mechanic, experimental and maintenance, College of Agricultural Sciences, from Oct. 1, 1929, until his retirement Oct. 14, 1971, died April 3. He was 85.

Shirley J. Emigh, janitorial worker, Office of the Physical Plant, from Feb. 19, 1973, until her retirement on disability March 14, 1990, died March 29 at the age of 56.

Mabel F. Giles, counter attendant, Housing and Food Services, from Nov. 1, 1953, until her retirement May 1, 1970, died March 31. She was 84.

Ruth C. Hohenbury, clerk, mailing room, College of Agricultural Sciences, from Jan. 1, 1925, until her retirement July 1, 1961, died April 10. She was 95.

Edward H. Loughner, athletic equipment and laundry operator, Health and Human Development, from April 15, 1958, until his retirement Sept. 6, 1969, died April 2 at the age of 83.

H. LeRoy Marlow, retired faculty member and administrator in Continuing Education, died April 7 at the age of 67.

He joined the University in 1961 as an assistant professor of management development and part-time researcher in the Division of Planning Studies. During the next 28 years, he held a variety of posts, including that of director of the Pennsylvania Technical Assistance Program (PENNTAP), head of Management Development Services and assistant director of Continuing Education. In 1990, he retired with emeritus rank.

His work with PENNTAP was recognized by the Pennsylvania Senate, which honored PENNTAP for 20 years of service in 1985, and by the Pennsylvania Manufacturers' Association (PMA), which presented him with the first PMA Award for Excellence in 1988. The success of PENNTAP led to Dr. Marlow's appointment as a national adviser to the federal Small Business Administration in 1971.

Dr. Marlow earned a bachelor of science degree in industrial arts education in 1949 and a master of arts degree in industrial education in 1951 from the University of Maryland. In 1955, he received a doctor of education degree in personnel and supervision from Cornell University.

Before coming to Penn State, he worked at Koppers Co. Inc. and was an instructor at Cornell and Geneva College and a teacher in the Baltimore public schools.

His work with a variety of community organizations was recognized in 1981 with the Barash Award for Human Services. Dr. Marlow also was an avid master woodcarver, well-known for his carvings of carousel animals. He wrote the books *Carving Carousel Animals* (1989) and *Woodcrafting Heritage Toys: A Treasury of Classic Projects* (1987).

Satoshi Matsushima, professor emeritus of astronomy, died Jan. 31 at the age of 68.

Dr. Matsushima joined the University faculty as a professor in 1967. From 1976 to 1989, he served as head of the Department of Astronomy. The author of more than 80 scholarly articles and book chapters, he was a specialist in solar physics, the theory of stellar atmospheres, stellar spectroscopy, and planetary astronomy.

A member of three commissions of the International Astronomical Union and a Fellow of the Royal Astronomical Society, he also was a member of the American Astronomical Society, the Astronomical Society of the Pacific, the American Geophysical Union, and the scientific honorary society Sigma Xi.

Dr. Matsushima was a graduate of the University of Kyoto and held a doctor of philosophy degree from the University of Utah and a doctor of science degree from the University of Tokyo. He held many research positions prior to coming to Penn State, including a postdoctoral appointment at the Observatory of Paris and a Humboldt Fellowship at Kiel University.

George L. Nearhoof, maintenance worker, utility, office of the Physical Plant, from Dec. 3, 1951, until his retirement Feb. 1, 1975, died March 19. He was 80.

Carol E. Peterson, manager of dining halls, Housing and Food Services, from July 18, 1955, until July 20, 1974, died April 6 at the age of 79.

David V. Rimmey, campus bus driver, Office of Business Services, from Jan. 23, 1976, until his retirement June 17, 1989, died April 5. He was 64.

Flossie Shuman, food preparer, Mont Alto Campus, from Sept. 22, 1964, until her retirement July 1, 1978, died Jan. 28 at the age of 78.

Ella M. Staub, receptionist, Housing and Food Services, from Nov. 1, 1943, until her retirement July 1, 1961, died Feb. 27 at the age of 92.

Clarence E. Thompson, group leader, intramurals equipment facilities worker, Intercollegiate Athletics, from March 9, 1964, until his retirement Aug. 1, 1991, died April 21 at the age of 60.

Anthony J. Venett, associate librarian, died March 9. He was 60.

Mr. Venett provided reference service and assistance to businesses and industries as head of the Libraries' Pennsylvania Technical Assistance Program (PENNTAP) library information service. He also served in almost every science and technology subject library at Penn State.

In addition to his service to the Libraries, Mr. Venett was an instructor in the technical writing program, and was an invited reviewer/consultant to Choice, a monthly review service published by the Association of College and Research Libraries.

Mr. Venett graduated from Penn State with an A.B. in Arts and Letters majoring in science and earned an M.S.L.S. from the Carnegie Institute of Technology.

Glennis R. Wheelock, University physician, University Health Services, from June 1, 1971, until Jan. 1, 1985, died March 17 at the age of 70.

Penn Staters

Harvey Arbelaez, assistant professor of finance at Penn State Harrisburg, has received the 1992 Sion Raveed Award for best paper presented at an annual international conference of the Business Association of Latin American Studies.

Joseph L. Cavinato, associate professor of business logistics, has been appointed senior editor of *The International Journal of Service Operations and Enterprises*, jointly published by IMD (Europe) and Arthur D. Little Inc.

Joy L. Ellwanger, research technician in the Veterinary Science Department, has been appointed to the Pennsylvania State Board of Veterinary Medicine by Governor Robert P. Casey.

David B. Geselowitz, distinguished alumni professor of bioengineering and professor of medicine, has been named a fellow of the American Institute of Medical and Biological Engineering.

Alan Graefe, associate professor of leisure studies, presented a paper at the Fourth World Congress on National Parks and Protected Areas, sponsored by the World Conservation Union, in Caracas, Venezuela.

Howard G. Knuttgen, director; **William J. Kraemer**, director of research, and **Kristine L. Clark**, director of sports nutrition, in the Center for Sports Medicine, participated as lecturers in the Sixth Annual Conference on Exercise Sciences and Sports Medicine in San Juan, Puerto Rico.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and the Materials Research Laboratory, has received three U.S. Patents on "Desiccant Materials for Use in Gas Fired Cooling and Dehumidification Equipment," "Automatic Device for Water Adsorption and Desorption Measurement," and "Highly Dense Cordierite and Method of Manufacturing Same."

Shirley L. Kovach, secretary in the Department of Management and Organization, has been elected second vice president of the Pennsylvania Association of Educational Secretaries/Office Personnel.

Joan A. Panchal, assistant professor of nursing, has been installed as president of the Pennsylvania League for Nursing.

K. Kirk Shung, professor of bioengineering, has been elected fellow of three national societies: the American Institute of Medical and Biological Engineering, the American Institute of Ultrasound in Medicine and the Acoustical Society of America.

Herbert Siegel, professor of poultry science; **Magdi Mashaly**, associate professor of poultry science, and **Kamal Rashid**, senior research associate of biotechnology/affiliate associate professor of molecular and cell biology, visited Egypt as part of a USAID-funded project to introduce biotechnological methodologies to animal production research in Egypt.

Elizabeth J. Susman, professor of biobehavioral health, human development and nursing, has been named to the Core Scientific Group of the Harvard University Program on Human Development and Criminal Behavior. She also has been named to a Priority Expert Panel titled "Health Promotion for Children and Adolescents" for the National Center for Nursing Research.

Bookshelf

Mary Elizabeth Nicholson, associate professor of health education, and **Richard St. Pierre**, professor and head of the Department of Health Education, are co-authors of *Sexuality: A Health Education Perspective*, second edition, published by Venture Publishing.

The textbook, which offers both a biological and behavioral perspective, focuses on sexuality issues relevant to college students. Topics covered include sex research and education, contraception, love and intimacy, sexually transmitted diseases and sexual development across the lifespan.

Along with an overview of basic anatomical and physiological aspects of the reproductive systems, the book highlights contemporary views of sexuality and sexual behaviors. Included is a section on sexual violence and one on the influences of commercialization on sexual behavior.

Stephen J. Wright, assistant director of academic affairs in the Department of Independent Learning is co-editor with **Barbara L. Watkins**, of the University of Kansas, of *The Foundations of American Distance Education: A Century of Collegiate Correspondence Study*, published by Kendall/Hunt.

The volume of 14 essays by 18 scholars and practitioners in the university independent study field covers the history of university independent study, as well as its future prospects in an ever more technologically complex world.

University independent study is a proven method of learning and teaching, Dr. Wright says, noting that this form of learning has been around for 100 years, since the first university correspondence courses were offered in 1892 by the University of Chicago.

"University independent study will never replace the traditional classroom, but it does offer an alternative to this format for people who cannot, for a variety of reasons, enroll in classes taught at colleges and universities. It continues to grow and gain credibility as a viable education option for people from all walks of life."

The Foundations of American Distance Education originally was conceived as a way to commemorate the centennial of university-affiliated independent study and was funded, in part, by a grant from the National University Continuing Education Association.

William C. Uricchio, associate professor of mass communications, is the author of *Die Anfange des Deutschen Fernsehens (The Beginnings of German Television)*, published in Germany through the Max Niemeyer Verlag.

The book explores the relatively little known topic of German television broadcasting from its start in 1935 through 1944, from the very different perspectives of scholars working in the (formerly) East and West German academic traditions and archives.

"By looking at such issues as made-for-television drama,the expectations of the television public, coverage of the 1936 Olympic games, and the military applications of television," Dr. Urrichio says, "the book addresses a significant gap in current media history."

K. Warner Schaie, Evan Pugh professor of human development and psychology and director of the Gerontology Center, is editor of the 11th volume of the *Annual Review of Gerontology and Geriatrics*. He also was the editor of volume seven, in 1987.

The book focuses on behavioral sciences research on aging, giving special attention to experimental and applied psychology. The volume provides up-to-date information on learning, memory and aging; the psychological and physiological effects of exercise among older adults; interventions, services, and long-term care; and self concept, social activity, work performance, and depression in older adults.

The new edition includes research contributions from two College of Health and Human Development faculty members. **Steven H. Zarit**, professor of human development and acting head of the Department of Human Development and Family Studies, examines family caregiving for people who are chronically disabled; **Sherry L. Willis**, professor of human development, provided a chapter on everyday competence in later adulthood.

The Annual Review of Gerontology and Geriatrics series is published by Springer Publishing Company.

West Publishing Company has released the fifth edition of *The Management of Business Logistics*, a text co-authored by **John J. Coyle**, professor of business logistics.

The revision, written with Edward J. Bardi and C. John Langley, contains totally revamped material on global logistics, a new chapter on quality, new case materials, numerous other additions and teaching aids.

Dr. Coyle also is director of the Center for Logistics Research in The Smeal College of Business Administration.

Gary L. Lilien, distinguished research professor of management science, is co-author of *Marketing Models*.

Written with professor Philip Kotler of Northwestern University and professor K. Sridhar Moorthy of the University of Rochester, the book is a doctoral level textbook and reference source.

Dr. Lilien also is research director of the Institute for the Study of Business Markets in The Smeal College of Business Administration.

Promotions

Staff Exempt

Mary M. Ban, to coordinator, Rehabilitation Billing at Hershey.
Lisa A. Braccini, to supervisor, Pharmacy Services at Hershey.
Alicia Bunnell, to contracts and proposals specialist in Research and Graduate School.
Karen A. Chomey, to research support assistant at Hershey.
Deloise M. Frisque, to senior classification analyst in Office of Human Resources.
Peter L. Gawron, to coordinator for Inservice Training and Quality Control at Hershey.
Christine M. Gibson, to coordinator, Night Pharmacy Services at Hershey.
Susan K. Gula, to clinical nurse educator at Hershey.
Yedd A. Maitland, to dining room supervisor in Nittany Lion Inn.
Kathryn J. Martin, to grants and contracts officer at Hershey.
Lauri L. Norbeck, to research support assistant at Hershey.
Penelope A. Ott, to manager, Quality Services at Hershey.
Richard H. Pearce, to director, Business Services in Housing and Food Services.
John C. Raiser, to assistant to director in Research and Graduate School.
Louise E. Sandmeyer, to director, Continuous Quality Improvement in Office of the President.
Jeffry L. Schiesler, to Building Superintendent in Student Services.
Holly A. Shearer, to assistant nurse manager at Hershey.
Marc A. Startoni, to accountant at Hershey.
Debra J. Verne, to nursing manager at Hershey.
Helen S. Yashinsky, to budget accountant at Hershey.

Staff Nonexempt

Kristen L. Cook, to research technician at Hershey.
Ken L. Fager, to senior research aide in Agriculture.
Bonnie B. Griffith, to grants and contract accountant in Corporate Controller's Office.
Nancy E. Koontz, to clinical head nurse at Hershey.
Yvonne D. Lodovici, to coordinator, Laboratory Support Services at Hershey.
Carole J. Lowthert, to ophthalmic technician at Hershey.
Thomas G. Miller, to senior research technician at Hershey.
Teresa M. Rice, to clinical head nurse at Hershey.
Donna L. Shultz, to coordinator, clinical services at Hershey.
Joann M. Spangler, to coordinator, acute pain management services at Hershey.
Katrina M. Thoma, to clinical head nurse at Hershey.

Clerical

Sulane A. Breon, to clerk, Bibliography Processing in University Libraries.
Frank C. Butts, to accounting clerk in Research and Graduate School.
Karen L. Connelly, to secretary B in Liberal Arts.
Susan L. Coulter, to information processing clerk in Student Services.
Fay A. Faust, to patient unit secretary at Hershey.
Ernest L. Hichsenheiser, to clerk, insurance verification at Hershey.
Carol J. Isenberg, to clerk, transcript A in Undergraduate Education.
Marlene P. Keating, to secretary B at Hershey.
Sandra J. Kohler, to secretary A at Hershey.
Deborah E. Martin, to HMC secretary B at Hershey.
Cynthia A. Miller, to purchasing clerk in Housing and Food Services.
Karen A. Struble, to conference secretary in Continuing Education.
Elizabeth J. Will, to secretary B in Liberal Arts.

Technical Service

Steven B. Evans, to environmental health worker group leader at Hershey.
Daniel I. Johnstonbaugh, to environmental systems technician in Office of Physical Plant.
William J. Jurina, to anesthesiologist technician at Hershey.
Sabrina M. Koleno, to bindery worker in Office of Physical Plant.
Vickie I. Kruleski, to environmental health worker group leader at Hershey.
Jerry A. Myers, to poultry worker research in Agriculture.
Arlon R. Schooles, to kitchen worker at Hershey.
Anna Belle E. Shifflett, to operating room assistant at Hershey.
Barbara E. Shuey, to escort service aide at Hershey.
Samuel M. Smichnick, to heating-ventilation-air-conditioning mechanic at Hershey.
Suzanne M. Sokol, to residence hall utility worker in Housing and Food Services.
Scott W. Spearly, to farm machine operator in Agriculture.
James E. Wagner, to waste water treatment plant worker in Office of Physical Plant.
Glenn A. Wiedler, to operating room assistant at Hershey.
Cynthia M. Woodring, to deli worker in Housing and Food Services.
Scot T. Zernick, to anesthesiologist technician at Hershey.

Focus on the Arts

The arts on Channel 3

No one who has seen the work of artist Richard Haas can forget it. He is the architectural painter whose mammoth illusionary murals cause double-takes in cities all over the world. Discover how his style bestows an illusory third dimension to flat, featureless walls and ceilings on Painting the Town, airing at 10 p.m. tonight on WPSX-TV.

"Mrs. Cage," a new television film starring Anne Bancroft and Hector Elizondo, about the interrogation of a housewife who, for reasons unknown, has murdered a woman in the parking lot of a local supermarket, will premiere on American Playhouse, at 9 p.m. Wednesday, May 20. The film explores the dilemma of a middle-aged woman with traditional ideas about family unity and personal worth, caught in a society whose values are shifting beneath her.

Produced by the National Gallery of Art as part of the 1991 exhibition, "Circa 1492: The Age of Exploration," Masters of Illusion, airing at 10:30 p.m. Wednesday, uses new technology to look at old Renaissance masters in new ways with a cinematic exploration of the birth of perspective, concentrating on space and man's relationship to it.

Photography exhibit

Raquel Berg's photography "Faces of Italy" is on exhibit in the Hetzel Union Building's Browsing Gallery at University Park until May 31.

The artist, who lived in the Umbria region of Italy during the summer of 199, graduated from Penn State in December and currently is enrolled in graduate photography courses at New York University.

Crafts center classes

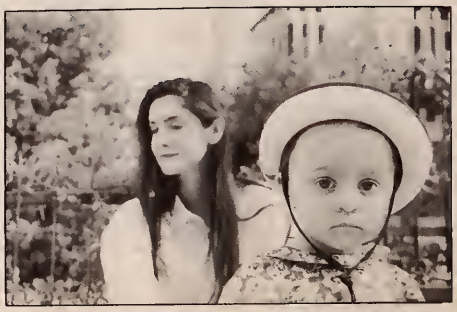
The Hetzel Union Center for Arts and Crafts is offering a full summer schedule of evening classes to faculty, staff, students and area residents.

From drawing, painting, and sculpture to pottery, quilting and stained glass, [illegible] will find a class to meet their interests.

Classes are usually held from 7 to 9 p.m., meet four to eight times during the session, and range in cost from $30 to $50. An additional membership of $10 allows participants to use the center on their own from 9 a.m. to 10:30 p.m. weekdays and from 10 a.m. to 10:30 p.m. on weekends from June 8 to Aug. 9.

Special classes in ceramics, drawing, painting and collage for children age 10 and over are scheduled from 4:30 to 6 p.m. These meet eight times, beginning June 8 for a fee of $40. In addition, the center is offering a series of all day, two-week and a one-week day camps for children ages 5 and up, beginning June 8 for about $100 a week.

For more information, schedule of fees and a registration form, contact Isabel Farrell at the Hetzel Union Center for Arts and Crafts at 814-863-0611.



Raquel Berg's "Faces of Italy" photography exhibit is on display until May 31 in the Hetzel Union Building's Browsing Gallery at University Park.

'Art to Go'

"Bachi," a polished bronze sculpture by Japanese artist Masayuki Nagare, will be on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank in State College during May.

The exhibit is part of the "Art to Go" exhibition sponsored by the Friends of the Palmer Museum of Art in collaboration with Peoples National Bank.

Mr. Nagare is honored as an accomplished artist in his native Japan and throughout the world. He has created monumental stone sculptures commissioned for architectural structures in cities such as Tokyo, Chicago and Paris. His work has been associated with the values of order, refinement and simplicity expressed in the culture of Japan.

Although usually known for creating large-scale, site-specific works, Mr. Nagare created "Bachi" as part of a series of small pieces. "Bachi" was inspired by the shape of the tool used for strumming the "samisen," a guitar-like musical instrument traditionally played by geishas as they sing.

Each month a different piece from the Museum's permanent collection is on view in People's National Bank.

Center established to investigate pollution control

A Center for Bioremediation and Detoxification has been established to investigate methods for biological pollution control of land and water systems.

> *"Although there are bioremediation centers...at other universities, ours looks at solutions using both a scientific and engineering approach."*
>
> James C. Young
> Kappe professor

"Discharge of pollutants into the environment can occur from many sources and regulatory agencies frequently request the clean-up of contaminated sites," says **Jean-Marc Bollag**, professor of soil microbiology and the center's co-director. "Today, much attention is given to bioremediation because this method is relatively inexpensive."

Bioremediation uses biological agents, such as bacteria, to reclaim soils and waters polluted by substances hazardous to human health and the environment. Frequently, native microorganisms can be used and the environment can be modified to support or accelerate microbial growth by supplying oxygen, nutrients or the proper acidity.

According to Dr. Bollag, the purpose of the center is to respond to the tremendous interest in pollution control and in using biological agents — microorganisms or enzymes — to degrade pollutants in soil or water.

"Although there are bioremediation centers like this one at other universities, ours looks at solutions using both a scientific and engineering approach," says co-director of the center, **James C. Young**, Kappe professor of environmental engineering.

The bioremediation and detoxification program is interdisciplinary and currently involves coordinated efforts between faculty in the College of Agriculture and the departments of Civil Engineering and Chemistry. The center is part of the Environmental Resources Research Institute and a number of faculty in the program are institute affiliates.

"Creating the center focuses attention on institute activity that has been ongoing for a number of years," says **Archie McDonnell**, director of ERRI and professor of civil engineering. "Given the leadership and expertise of the cooperating faculty, we are confident that the program will flourish in the coming years."

ERRI currently has several projects in bioremediation and detoxification involving eight faculty members. Sponsors of those and other institute projects include state, federal and international agencies, as well as private research foundations and industry.

Faculty cooperating with the center also include **Brian A. Dempsey**, associate professor of civil engineering; **Michael J. Natan**, assistant professor of chemistry; **Raymond W. Regan**, associate professor of civil engineering and director of ERRI's Office of Hazardous and Toxic Waste Management, and **Richard F. Unz**, professor of environmental microbiology.

Focus on Research

Researchers find not all resumes are created equal

When it comes to resume writing, shorter may not be better and one standard resume may not do the job, according to a University study.

Differences in what recruiters in marketing and mechanical engineering look for in resumes suggest that students should tailor their job applications to the discipline and the job.

In some disciplines, elaboration may help land a job, and the absolute length of explanations appears not to hinder applicants as long as the content is appropriate.

"We found systematic differences between the two disciplines," said **Davida Charney**, assistant professor of English.

The researchers, who included Dr. Charney, **Jack Rayman**, affiliate professor of counseling psychology, and **Linda Ferreira-Buckley**, now at the University of Texas, Austin, studied the responses to resumes of marketing and mechanical engineering recruiters and students.

"We were looking at four areas — mechanics, sentence style, relevance of work experience and elaboration," said Dr. Charney.

Mechanics covered grammar and spelling errors; sentence style tested the difference between a verbal, active style and a passive, wordier style with more noun clusters; and elaboration showed the effects of varying the details included in the resumes.

Both the mechanical engineering and marketing recruiters gave higher marks to error-free resumes than to error-laden resumes. But, the mechanical engineering recruiters applied writing standards equally regardless of differences in work experience, while the marketing recruiters more heavily penalized errors from the more experienced applicants.

"Comparing the students' and recruiters' reactions to mechanics was interesting," said Dr. Charney. "Even students who penalized errors gave much less weight to mechanics than the recruiters did. They believed greater technical training would carry the day.

"For recruiters in both fields, it was more important to see good writing skills than an additional relevant job listing."

According to Dr. Charney, spelling and grammar mistakes are not viewed simply as sloppiness. Errors hurt the more qualified students more because the recruiters assumed that the more experienced students should have already learned to do error-free work.

Other differences that arose between marketing and mechanical engineering recruiters centered on style, relevant job experience and elaboration.

Marketing recruiters preferred resumes written in verbal style, while mechanical engineering recruiters did not show a preference for either style, the Penn State researchers reported in the January issue of the *Journal of Business and Technical Communications*.

"Many studies show that an active, verbal style is easier to read and remember," said Dr. Charney. "When there was a preference among recruiters, it was for verbal style. Students should be encouraged to use verbal style in their resumes."

When it came to relevant work experience, the marketing recruiters were more willing to consider course-related projects as a substitute for a lack of paid work experience than were the mechanical engineering recruiters.

"Both groups looked for sufficient relevant experience, but students should be aware that different disciplines place varying importance on projects and experience," said Dr. Charney.

"After looking at many sets of resumes, we suspected that students have serious misconceptions about recruiters' expectations for resumes," she explained. "Students seem to think there is only one correct way to prepare a resume and the same resume will serve them for any job."

"Not only do students with different majors need to write different types of resumes, but the student applying for both engineering marketing jobs and mechanical engineering technical positions should prepare two different resumes."

To test the effect of elaboration, projects were described with either simply a title; a title and purpose statement; or a title, purpose statement and method explanation.

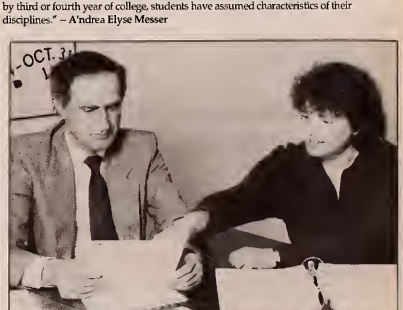
"In the engineering resumes, the purpose elaborations provided details about the device itself, but no information on the student's ability to design and build it," she said. "Method elaborations supplied that information."

The engineering recruiters gave higher marks to resumes with method elaboration, but chose resumes with bare titles over those with purpose statements.

According to the researchers, this indicates that the problem with elaboration is not length, but rather appropriateness of content. The purpose elaborations alone were irrelevant, but the longer method elaborations were persuasive.

"Some people consider elaboration padding and don't really look at it as an opportunity to make a case," noted Dr. Charney. "If it really shows you can think like an engineer, elaboration can help, and, according to this study, can't hurt."

"Evaluating the student responses, we were also surprised that the students, who were generally juniors and seniors, responded more like recruiters in their disciplines than like each other," she said. "Although we tend to lump all students together, this indicates that by third or fourth year of college, students have assumed characteristics of their disciplines." – **A'ndrea Elyse Messer**



Jack Raymon and Davida Charney look over the results of their survey that points out the differences in resume styles and recruiter preferences. (Photo: Greg Grieco)

Awards

Professor to receive Guggenheim Fellowship

Judith F. Dunn

Judith F. Dunn, distinguished professor of human development, has been chosen for a Guggenheim Fellowship for 1992-93.

She is among 149 artists, scholars and scientists nationwide who were selected in the 68th annual competition of the John Simon Guggenheim Memorial Foundation. Guggenheim Fellows are chosen on the basis of unusually distinguished achievement in the past and exceptional promise for future accomplishment.

Dr. Dunn, an internationally recognized authority on sibling relationships, is director of the Center for the Study of Child and Adolescent Development, in the College of Health and Human Development.

The award will enable her to follow up on a sample of children in Cambridge, England, whom she first began studying in 1983, when they were 18 months old. Dunn has revisited the children several times during their childhood and now plans to study them again as they make the transition from elementary school to secondary school (the British equivalent of junior high).

Each child in the sample has one older brother or sister. Dunn's research has focused on the younger children's relationships with their older siblings and with their parents, and how those relationships affect the children's development.

Dr. Dunn has been a faculty member in Department of Human Development and Family Studies since 1986. Before that, she spent 12 years at the University of Cambridge as senior scientific officer of the Medical Research Council's Unit for the Study of the Development and Integration of Behavior.

She is author or co-author of nine books, including *Separate Lives: Why Siblings are so Different* (Basic Books, 1990) and *The Beginnings of Social Understanding* (Harvard University Press, 1988). She has served on committees of the National Academy of Sciences and the Social Science Research Council, and is a member of the editorial board of six journals.

Alumni Scholar Medal established to honor Hosler

The Charles L. Hosler Alumni Scholar Medal has been established by the College of Earth and Mineral Sciences as a special award to recognize the achievements of alumni who have made outstanding contributions to the development of science through research, teaching, or administrative leadership.

The medal honors the career accomplishments of **Charles L. Hosler**, who retired recently as the University's senior vice president for research and dean of the Graduate School.

The first Hosler Alumni Scholar Medal was awarded to Dr. Hosler at the 1992 Wilson Awards Banquet of the College of Earth and Mineral Sciences.

"The medal is a token of our high regard for Charlie," **John A. Dutton**, dean of the College of Earth and Mineral Sciences, said. "He has been associated with our college for more than fifty years, first as a student, then as professor and dean. We find it most appropriate to express our respect and thanks for his dedicated and inspired leadership by recognizing those alumni who have achieved high distinction in our disciplines, particularly since most of the future candidates for the medal are people who received their education here while he was dean."

Dr. Hosler, now professor emeritus of meteorology, served as head of the Department of Meteorology from 1961 to 1965, setting its course as one of the nation's leading departments. He served as dean of the College of Earth and Mineral Sciences for the next twenty years, a period of significant academic and research growth in the college.

In 1985, he was named vice president for research and dean of the Graduate School.

The Charles L. Hosler Alumni Scholar Medal will be presented annually to a former graduate student or undergraduate of the College of Earth and Mineral Sciences. The recipient will be selected from a list of candidates nominated by the college faculty.

Charles L. Hosler

Dean emeritus is named Fulbright Scholar to Korea

Henry J. Hermanowicz, professor and dean of education emeritus, has been granted a Fulbright Award by the Korean-American Educational Commission and the Fulbright Foreign Scholarship Board.

Dr. Hermanowicz, who retired from the University last January, will have a ten-month appointment as a Fulbright Scholar to the Korea National University of Education in Seoul starting in September, 1992. The appointment will be a combined lecture/research award.

His instructional responsibilities will involve graduate-level teaching about curriculum development in the United States with special attention to problems in reforming American teacher education programs.

Dr. Hermanowicz's research project will focus on analyzing long-range national socio-economic development plans in conjunction with efforts to improve public school programs and the preparation of teachers in Korea.

Engineer recognized for work

Benjamin W. Niebel has received the College of Engineering 1992 Distinguished Service Award. The award, given by the Penn State Engineering Society and the College of Engineering, recognizes individuals who have donated time and expertise to an engineering department.

Mr. Niebel, who holds a bachelor's and a master's degrees in industrial engineering from Penn State, has a lifelong connection with the College of Engineering. He was appointed assistant professor of industrial engineering in the late 1940s. He went on to head the Industrial Engineering Department from 1956 until his retirement in 1979.

He has continued to serve the department and college in many ways. He endowed a graduate fellowship for students interested in manufacturing engineering and has maintained an active leadership role in the department's Penn State Cast Metal Advisory Committee. His most significant recent contribution is as author of *History of Industrial Engineering at Penn State*.

Mr. Niebel is a regular lecturer and invited speaker in University classes and for the student chapter of the Institute of Industrial Engineers and the student honorary Alpha Pi Mu.

He remains active as a consultant and travels and lectures throughout the world. He also is chair-elect of the Central Pennsylvania chapter of the Society of Manufacturing Engineers.

Awards

Eight physicians are named best in their field

Eight Hershey Medical Center physicians have been honored in *The Best Doctors in America*, a new, highly-selected directory of approximately 3,850 physicians in more than 350 medical specialties.

Those recognized from the Medical Center and their specialties are **George W. Blankenship**, ophthalmology, for medical retinal diseases and vitreo-retinal surgery; **Gordon L. Kauffman**, general surgery, for gastroenterologic surgery; **Donald P. Lookingbill**, dermatology, for acne; **James G. Marks**, dermatology, for contact dermatitis; **Herbert Y. Reynolds**, pulmonary and critical care medicine, for asthma and pulmonary disease; **Brian L. Thiele**, general surgery, for general vascular surgery; **Steven J. Wassner**, pediatrics, for pediatrics nephrology and **Clifford W. Zwillich**, pulmonary and critical care medicine, for pulmonary disease.

The Best Doctors in America

The Best Doctors in America is published by Woodward/White, Inc., of Aiken, South Carolina. The physicians were chosen for the publication based on a nationwide poll of thousands of medical specialists. Slightly more than one percent of the nation's 350,000 practicing physicians were listed in *The Best Doctors in America*.

Senior receives award for excellence in research

Marc DiPrinzio, a senior in the Department of Aerospace Engineering, has received the Overall Award for Excellence in the 1992 Undergraduate Research Fair.

His poster on "Optimization of Coplanar Low-Thrust Orbital Transfers in the Earth-Moon System" was selected because the display communicates clearly to non-specialists. Mr. DiPrinzio worked with **Roger Thompson**, assistant professor of aerospace engineering, on the research.

Six other undergraduates also were honored with cash awards for their entries of posters or display case entries.

The Research Fair is sponsored by the Undergraduate Student Government Academic Assembly and the University Scholars Student Advisory Committee with support from the Office of Undergraduate Education.

The fair was open to all undergraduates at University Park and the Commonwealth Campuses and this year 27 submitted entries consisting of an abstract of their project and poster or display case exhibits.

Achievements of three alumni noted

Three Penn State alumni have been selected for the 1992 Alumni Achievement Award given by the Arts and Architecture/Performing Arts Alumni Constituent Society.

The award honors alumni who have distinguished themselves in their professions. This year's honorees are graphic designer **Lance Anderson**, gallery owner and noted art historian **John Driscoll**, and photo historian **Gillian Greenhill-Hannum**.

Mr. Anderson currently operates a graphic design studio, Lance Anderson Design, in San Francisco, Calif.

He is best known for his accomplishments as a logo designer, typographer and lettering artist. He has produced logos for the films "Romancing the Stone," "Blade Runner" and "Indiana Jones and the Temple of Doom." He also produced "Billy Ball" for the Oakland A's, "Banana Republic" for the national clothing retail chain and the Lucasfilms "THX" movie theater sound system logo.

He graduated from Penn State in 1973 with a bachelor of arts degree in art-graphic design.

Mr. Driscoll is the president and owner of Babcock Galleries in New York City. Babcock Galleries is the oldest gallery in the United States dedicated to American Art.

He served as the guest curator at the Worcester Art Museum, Worcester, Mass., a guest critic at the Graduate School of Architecture, Yale University, and curator of the William H. Lane Foundation, Leominster, Mass.

Mr. Driscoll earned his master of arts in 1974 and a Ph.D. in art history in 1985, both from Penn State.

Ms. Greenhill-Hannum is an assistant professor of art history at Manhattanville College, Purchase, N.Y. In 1990 she was presented a distinguished faculty award by the Manhattanvile College Alumni Association.

Besides being the author of numerous research papers on the history of photography, she is a noted book reviewer and a contributor to the Encyclopedia of World Biography. Her doctoral dissertation, "The Outsiders: The Salon Club of America and the Popularization of Pictorial Photography," changed the academic assessment of an important episode in photo history.

She earned her master of arts in 1981 and Ph.D. in 1986, both in art history and from Penn State.

College of the Liberal Arts Alumni Society

Social worker honored for volunteer service

The College of the Liberal Arts Alumni Society has honored **Ilene S. Gelman** with its service to Society Award.

Ms. Gelman, who received a B.S. degree in social work from Penn State in 1978, is now a heart transplant social worker at Columbia Presbyterian Medical Center in New York City. In this position, she is responsible for evaluation, counseling, information, and referral for all transplant candidates.

In State College, Ms. Gelman served in a variety of positions for the Centre County Unit of the American Cancer Society, the Centre County Home Health Service, Patton Township, the Bereaved Parent Group, Congregation Brit Shalom, B'nai B'rith Women, Live Today Group, the Centre Area Health Council, Park Forest Elementary School, State College Area Junior High School, Penn State's Returning Student Women's Organization, the Metropolitan State Hospital, and a halfway house for former mental patients.

She was honored for her volunteer service by B'nai B'rith Women; Centre Home Care honored her for her efforts to promote hospice care; and she was the National Association of Social Workers, West-Central Division Social Worker of the Year in 1981.

From 1985 to 1990, she was an oncology social worker at Centre Community Hospital, where she provided counseling, information and referral, emotional support and discharge planning to cancer patients and their families. From 1982 to 1985, she was employed as the nephrology social worker at Centre Community Hospital, working with dialysis patients as well as a social work consultant to Centre County Home Health Service.

The Service to Society Award was established in 1975 to recognize a liberal arts graduate whose contributions have served to enhance the quality of life at the local, state or national level.

Twelve engineering faculty recognized

Twelve College of Engineering faculty members have been honored for outstanding teaching, research and advising.

The awards, sponsored annually by the Penn State Engineering Society, are designed to recognize individual achievements in engineering research and education.

Outstanding Research Awards, for notable contributions in research, were presented to **Eric Cross**, Evan Pugh Professor in electrical and computer engineering; **Brian Gilmore**, assistant professor of mechanical engineering; **Virendra M. Puri**, professor of agricultural and biological engineering, and **Vigor Yang**, associate professor of mechanical engineering.

Outstanding Teaching Award recipients are **John M. Cimbala**, associate professor of engineering at the Penn State New Kensington Campus; **David B. Meredith**, associate professor of engineering at the Penn State Fayette Campus, and **Victor E. Sanvido**, associate professor of architectural engineering.

Recipients of Outstanding Advising Awards, for faculty who have shown outstanding dedication to advising students or student groups, are **Paul April**, instructor in engineering at the Penn State Altoona Campus; **Joseph H. Goldberg**, associate professor of industrial and management systems engineering; **Albert R. Jarrett**, professor of agricultural and biological engineering, and **M. Kevin Parfitt**, assistant professor of architectural engineering.

Partings

John H. Wyckoff

More than 30-year career

Assistant director ends service

John H. Wyckoff, assistant director of the Division of Undergraduate Studies, has retired after more than 30 years service.

Dr. Wyckoff was named assistant director of DUS when it was first established in 1973. DUS provides enrollment and academic advising to students who wish to explore a number of academic programs, as well as to students who have changed interests and are seeking new program opportunities.

Dr. Wyckoff has written numerous articles on the persistence and success of college students in various programs of study. He came to Penn State as a U.S. Public Health Fellow and earned M.S. and Ph.D. degrees, both in psychology. He earned a bachelor's degree at Lafayette College.

After a clinical psychology internship at the Veterans Administration Hospital in Wilkes-Barre, he joined the Division of Counseling as a psychologist, where he was a coordinator of the unit's psychotherapy program and assistant director of the Preregistration Counseling Program.

He is a member of the American Psychological Association, the Eastern Psychological Association, the National Academic Advising Association and Phi Delta Kappa.

Dr. Wyckoff and his wife Mary, an employee in the Smeal College of Business Administration, are the parents of Kurt, a Penn State alumnus, and Dirk, a Penn State senior. Dr. Wyckoff plans to continue some of his research activities while also pursuing his interests in fishing, woodworking and gardening during his retirement.

Professor emeritus of accounting and MIS bows out after 30 years with University

Robert E. Malcom

Robert E. Malcom has retired after nearly 30 years as a member of the University's accounting faculty.

A professor emeritus of accounting and management information systems, Dr. Malcom is a specialist in financial and managerial accounting and in accounting information systems.

He joined Penn State in 1962, after serving as a staff accountant with the "Big 6" accounting firm of Coopers & Lybrand and an instructor at Ohio State University.

Dr. Malcom earned his bachelor's degree from Miami University in 1955 and MBA and Ph.D. degrees from Ohio State in 1958 and 1962, respectively. He also is a certified public accountant.

He is the co-author of *Computers in Business*, one of the first computer programming books for business students, and the texts *Financial Accounting*, *College Accounting* and *Managerial Accounting*. The writer of numerous articles, Dr. Malcom has been the recipient of the Lybrand Bronze Award for an outstanding article published in the journal *Management Accounting*.

Dr. Malcom has served on the board of directors of the Institute of Management Accountants and on that organization's education committee. He also has been involved with the Central Pennsylvania Chapter of the IMA and has served as its president.

He was active in the Faculty Senate's Curricular Affairs Committee for several years and has served on other Senate committees, served as acting chair of The Smeal College of Business Administration's Department of Accounting in 1986, and has worked on numerous college and department committees over the years. In addition, he recently served as chair of the college's undergraduate policy committee.

He lives in State College.

Faculty member and pioneer in chemistry world retires

Julion P. Heicklen

Julian P. Heicklen, professor of chemistry, has retired with emeritus rank after 24 years service.

A physical chemist and a former faculty member in the Communications and Space Sciences Laboratory, Environmental Resources Research Institute, and Biotechnology Institute, Dr. Heicklen has made many contributions to the fields of colloid chemistry, carcinogenesis, gerontology, atmospheric chemistry, and air pollution control.

Through pioneering research, he and his colleagues were the first to explain the chemistry of photochemical smog and were able to design a laboratory-simulated polluted atmosphere to show that "urban" smog could be controlled and even inhibited from forming.

His accomplishments in atmospheric and gas-phase chemistry have earned him international recognition. He has been honored with the 1984 Creative Advances in Environmental Science and Technology Award of the American Chemical Society, the 1984 Boris Pregel Award for Applied Science and Technology of the New York Academy of Sciences, and the 1985 Frank A. Chambers Award of the Air Pollution Control Association.

The author of the books *Atmospheric Chemistry and Colloid Formation and Growth*, Dr. Heicklen has written or co-written over 250 research papers and nearly 30 review articles. From 1972 to 1989, he was on the editorial board of *Journal of Photochemistry*.

He is a Fellow of the American Physical Society, the New York Academy of Sciences, and the American Association for the Advancement of Science.

A 1954 graduate of Cornell University with a bachelor's degree in chemical engineering, Dr. Heicklen earned his doctoral degree in 1958 at the University of Rochester. He joined the University faculty as an associate professor of chemistry in 1967. In 1971, he was promoted to professor of chemistry, and from 1973 to 1974, he was visiting professor at the Hebrew University, Jerusalem, Israel.

Dr. Heicklen plans to remain in State College where his wife, Susan, is coordinator of secondary mathematics for the State College Area School District. He also plans to turn his hobby of duplicate bridge into a fulltime pursuit, traveling to tournaments throughout North America.

Partings

Three professors retire with emeritus status after years of University service

Joseph L. Carroll

Joseph L. Carroll, professor of business administration, has retired with emeritus status after 26 years service.

A faculty member in The Smeal College of Business Administration's Department of Business Logistics and director of the college's scholars program, Dr. Carroll also served for 22 years with the Pennsylvania Transportation Institute, where he was director of the transportation systems program.

Best known for his work in developing simulations models for waterway systems, his teaching and research interests included public investment economics and transportation policy. He is associate editor of *The Transportation and Logistics Review* and serves on the editorial boards of *Land Economics and Transportation*.

Prior to joining the University, Dr. Carroll was an economist with the Tennessee Valley Authority and an assistant professor of economics at Knox College in Galesburg, Ill. He also served in the U.S. Navy during the Korean conflict.

He earned a bachelor's degree in mechanical engineering from Swarthmore College in 1953 and his master's and doctoral degrees in business administration from Indiana University in 1959 and 1962, respectively.

Heavily involved in local government for many years, Dr. Carroll currently serves as chair of the Harris Township Board of Supervisors and of the Centre Region Metropolitan Planning Organization and General Forum. Previously, he was a board director of the State College Area School District.

His wife, Elizabeth, a Penn State graduate, is employed as administrative assistant for the Environmental Resources Research Institute and the Environmental Pollution Control Master's Program. The Carrolls have three children — Linda Weaver, Dr. William Carroll and Rebecca Graf — and five grandchildren. Dr. Carroll intends to devote his retirement to the operation of his Mount Nittany Vineyard and Winery.

Ram P. Kanwal, professor of mathematics, has retired with emeritus rank after 32 years service.

Ram P. Kanwal

Dr. Kanwal, who joined the University faculty as an associate professor in 1959, has worked in numerous fields, including hydrodynamics, wave propagation, generalized functions, and asymptotic analysis. Throughout his career, he has strived to encourage students to explore and appreciate mathematics.

Dr. Kanwal, who has written over one hundred research papers, is the author of the books *Linear Integral Equations*, which is in its sixth printing since 1971, and Generalized Functions, published in 1983.

A 1957 graduate of Indiana University with a doctoral degree in mathematics, he was an assistant professor at the Mathematics Research Center at the University of Wisconsin, Madison, from 1957 to 1959. He came to Penn State as an associate professor and was promoted to professor in 1962.

In addition to being named visiting professor at many universities in the U.S. and abroad, he was awarded a 1988 Fulbright Research and Teaching Fellowship to Delhi University in India. He is a member of the Society of Industrial and Applied Mathematics in the U.S. as well as Allahbad Mathematical Society and Ganita Prishad in India.

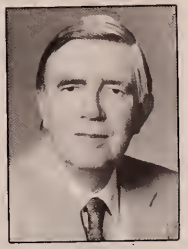
Dr. Kanwal, who lives in State College with his wife, Vimla, plans to remain in the area and complete his partially written manuscripts and research projects.

"I have many fond memories of the university, but I think what I will miss the most is teaching," he said. "I really enjoyed working with and helping my students."

James B. Herendeen, professor of economics, has retired with emeritus status after more than 28 years of service.

Dr. Herendeen joined the faculty in 1963 as assistant professor; became associate professor in 1968 and professor in 1975.

Publications include the following books: *Money and the Financial System* (with R. Lombra and R. Torto), McGraw-Hill, 1980; *The Economics of the Corporate Economy*, Dunellen, 1975, and *Modern Political Economy: Ideas and Issues* (editor), Prentice-Hall, 1968. He also is the author of numerous articles in professional journals, including the Pennsylvania Economic Review and the Southern Economic Review.



James B. Herendeen

Dr. Herendeen has served as visiting professor at New Mexico State University (Spring 1972 and Spring 1986); The Naval Post Graduate School (1978-79); and Bond University, Gold Coast, Queensland, Australia (Summer, 1990).

He directed numerous Ph.D. dissertations and M.A. essays. He is an active member of the American Economic Association, the Western Economic Association, the Southern Economic Association, the Eastern Economic Association and the Pennsylvania Economic Association. He is past president and member of the Board of Directors of the Pennsylvania Economic Association.

Dr. Herendeen graduated from Cornell University in 1953; received his M.S. degree from Iowa State University in 1960, and received his Ph.D. degree from Penn State in 1963.

His primary research interests have included agricultural policy, theory of corporate enterprise, financial models of the firm, and evolution of economic institutions. His teaching interests included microeconomic theory, macroeconomic theory, money and banking, economics of the corporate economy, and current policy issues.

He has accepted a position as visiting professor at the University of Texas, El Paso.

Finance secretary leaves after two decades

Anna Peters, head secretary of the Department of Finance, has retired after more than 20 years service.

Ms. Peters, a staff member of The Smeal College of Business Administration for 18 years, began her career with Penn State in 1971 as a part-time secretary in the Department of Mechanical Engineering. Later that same year, she was named secretary to the Alcoa Professor of Mechanical Engineering. In July 1973, she joined the Department of Finance as head secretary and served in that capacity until her retirement.

She was selected to receive the Outstanding Office Personnel Award in 1987. She has been highly involved in 4-H for more than 25 years, currently serving on the board of the Centre County Cooperative Extension Office and as east-central region representative to Pennsylvania Council of Cooperative Extension.

In 1990, Ms. Peters was the recipient of the J. Ira Coble Memorial Award, in recognition of her outstanding contributions to 4-H, and in 1991 was elected to serve on the Ferguson Township Board of Supervisors after serving on the township's planning commission for eight years.

A resident of Pennsylvania Furnace, she is active in the Gatesburg Lutheran Church.

Anna Peters

Parking garage construction update

Work continues on the Blue D Staff Parking Garage behind Eisenhower Auditorium at University Park. The 821-space parking structure, which is expected to be completed by late August, will provide faculty/staff parking during the day and parking support for events in Eisenhower Auditorium during the evenings and on weekends. The structure also will house new office space for the department of University Safety.

Photo: Greg Grieco

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, May 21. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00001, Research Aide, College of Agricultural Sciences, Dairy and Animal Science, University Park Campus** — Responsible for laboratory analyses of samples and for the performance of a variety of other research duties. Take blood and other tissue samples from experimental calves, bulls, cows, rams, or laboratory animals. Extract hormones from blood or tissue samples, chromatograph extracts, and perform radioimmunoassays of hormone using 125I and 3h-labeled compounds. Requires a bachelor of science degree, or equivalent, in animal science, biochemistry, biology, or similar field with course work in chemistry, biochemistry, microbiology, histological techniques and electron microscopy, and up to one year of effective experience in tissue culture, microscopy biochemical analyses, or radioimmunoassays, with demonstrated ability. STAFF GRADE 4

■ **00016, Assistant Banquet Supervisor, Nittany Lion Inn, University Park Campus** — Coordinate with Conference Center coordinators and others to make arrangements for banquets, special functions, etc., in person or by phone; check meeting rooms for proper setup and take corrective action if necessary; disseminate information to other departments within the Nittany Lion Inn; handle guest relations and check with host or hostess after banquet concerning quality of service, etc.; develop, plan and solicit new business; coordinate sleeping room reservations as required. Requires an associate degree, or equivalent, plus over three months up to and including twelve months of effective experience. STAFF GRADE 5.

■ **00017, Chef, Nittany Lion Inn, University Park Campus** — Instruct, train and demonstrate methods of preparation of new menu items to cooks; develop outstanding presentations for all food served; perform and supervise all food production related to banquet services; assist in training of kitchen employees; assist in development, implementation and enforcement of effective cost control procedures; assist in preparation of breakfast, lunch and dinner as required; inspect finished plates for quality and consistency; attend staff meetings as required. Requires an associate degree, or equivalent, culinary school, professional training in a hotel or restaurant, plus three to four years of effective experience. STAFF GRADE 5.

■ **00018, Administrative Assistant, Senior Vice President for Research and Dean of the Graduate School, Materials Research Laboratory, University Park Campus** — Responsible to the assistant director, Materials Research Laboratory, for assisting in budgeting and accounting operations and for the supervision of laboratory accounting clerical staff. Requires an associate degree, or equivalent, in accounting with two to four years of effective experience in a university accounting setting. Demonstrated supervisory experience and excellent communication and interpersonal skills required. Experience with Auxiliary Accounting System required, and personal computer experience preferred. Exposure to research project funding and various agency regulations desirable. STAFF GRADE 5.

■ **00055, Advising/Counseling Specialist, Commonwealth Educational System, Berks Campus** — Responsible to the DUS coordinator/director of counseling for the conducting of academic, career, and personal counseling as well as advising programs and services. Other duties include freshmen testing; working with special populations, group orientation programs; and related duties as assigned. Requires a master's degree, or equivalent, in counseling or similar field and one to two years of related experience. STAFF GRADE 7.

■ **00056, Computer Center and Technical Support Specialist, Business Services, Delaware County Campus** — Responsible to the director of business services for the supervision and scheduling of the day-to-day operation of the Campus Computation Centers; for providing advice and assistance to faculty, staff and students with technical support problems, and for advising and making recommendations to the campus administrative leaders concerning operations, purchases, state-of-the-art changes, etc. Requires a bachelor's degree in computer science or an equivalent field of study or training plus over one and up to and including two years of effective experience. Experience in programming, data processing, microcomputer operation, and knowledge of programming languages such as FORTRAN, PASCAL, and BASIC is essential. Some experience with telecommunications services preferred. STAFF GRADE 6.

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INTERCOM

May 28, 1992 Volume 21, Number 32

Penn State/Pepsi partnership announced

Agreement will generate $14 million over 10 years

Penn State and Pepsi have announced a new agreement projected to generate revenues of about $14 million to the University over the next 10 years. Penn State will use about $8 million of the revenue generated over that time for critically needed facilities and programs.

The partnership will give Pepsi primary scoreboard advertising rights in the new Academic/Athletic Convocation and Events Center and in Beaver Stadium, as well as exclusive rights for marketing Pepsi products on 21 Penn State campuses and managing vending services at the University Park Campus.

The $8 million in new dollars generated by the partnership will be apportioned primarily to Penn State's private fund-raising effort dedicated to the soon-to-be-built Academic/Athletic Convocation and Events Center. However, a number of other University endeavors will benefit as well.

"We are very pleased about this welcome news for Penn State," President Thomas said. "As a result, we will have come within striking distance of completing the $20 million goal of our focus campaign for the Convocation and Events Center. And we will have new and unexpected help for the University Libraries, the HUB/Robeson Cultural Center planned expansion, and other Penn State campuses across the Commonwealth."

According to Dr. Thomas, the $8 million will be apportioned for critically needed facilities and programs as follows.

— Academic/Athletic Convocation and Events Center, $6 million;

— University Libraries, $1 million;

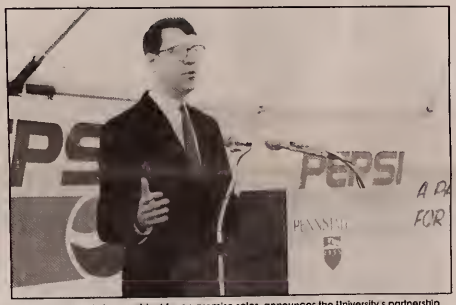
— HUB/Robeson Cultural Center expansion, $500,000;

— Penn State campuses, $500,000.

"Penn State and Pepsi have worked out a very creative collaboration that will provide an important income stream to the University over the next decade," Dr. Thomas said. "We pursued this arrangement with the thought of securing funds solely for the Convocation and Events Center, but the scope of the partnership has allowed us to provide badly needed funds to other areas as well."

The University's allocation of $6 million to the $20 million fund-raising campaign for the Convocation and Events Center, a 16,500-seat multi-use facility, brings the total for that effort to approximately $18.7 million. The private gift dollars will be added to $33.8 million in capital appropriation funds which have been released for the project by the

See 'Partnership' on Page 5



Andy Cross, Pepsi vice president for on-premise sales, announces the University's partnership with the company at a press conference held May 21. (Photo: Greg Grieco)

Fayette Campus CEO named

August H. Simonsen, acting campus executive officer at the Penn State McKeesport Campus, has been named campus executive officer at the Penn State Fayette Campus in Uniontown, effective July 1.

"Dr. Simonsen's extensive knowledge of the Commonwealth Educational System and Penn State and his distinguished academic career make him uniquely qualified to become the new CEO of the Fayette Campus," said Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System. "He will provide strong academic leadership."

Dr. Simonsen, professor of environmental sciences, has served as acting CEO since Oct. 1, 1991. Prior to his current post, he has served on many University, college and campus committees, the University Faculty Senate and the Task Force on Undergraduate Education.

August H. Simonsen

See 'Fayette CEO' on Page 10

Travel recommendations to take effect this summer

See related Faculty/Staff Alert on Page 3.

Recommendations on the University's travel management program have been endorsed recently by the University Faculty Senate Council and will take effect this summer.

The recommendations were developed by a Joint Faculty/Administrative Advisory Committee, which was established in June 1991 by President Thomas and Senate Chair Robert Secor.

"The committee members are pleased to reach consensus on the important issue of travel management for the University," Philip Klein, chair of the joint committee, said. "This is an excellent example of collegiality in faculty and administration relations."

He added, "Our objective from the start was to produce a travel program which not only stressed efficiency and low cost travel arrangements, but encouraged travel agents to compete in a variety of ways for the loyalty and allegiance of University travellers."

"It was a pleasure to work with such a dedicated group on these tough issues facing the University," James Wagner, vice president for business and operations, said. "Members with differing views worked diligently together to reach agreement on programs that will benefit all University travellers."

The overall budget for travel at Penn State totaled $24 million during the 1990-91 year.

See 'Travel' on Page 15

Focus on Diversity

Report highlights activities to enhance community

The University has developed new materials summarizing programs and accomplishments that contribute to a more supportive campus environment for women and minorities, the Board of Trustees has learned.

In an informational report, **James B. Stewart**, vice provost, said the Campus Environment Team has produced a log of activities and a redesigned newsletter, "Multicultural Update," to give the public a comprehensive view of the University's efforts to enhance the campus and community environment for an increasingly diverse student, faculty and staff population.

"While the number of minorities at Penn State has never been at the level we would like to see, the University is a model that many other institutions regularly seek out for ideas and guidance on diversity issues," Dr. Stewart said.

The Campus Environment Team, which Dr. Stewart chairs, often is called upon to coordinate and support many of those initiatives.

Created in winter 1987, the Campus Environment Team monitors and manages the campus climate for diversity at Penn State. But the work of the team has extended beyond matters related to diversity to broader issues, Dr. Stewart said.

The team was originally structured to mobilize University resources to quickly respond to immediate problems, but today, members also explore ideas for proactive interventions to head off future problems and enhance the campus climate. Weekly meetings involve round-table discussions about specific incidents that have occurred during the previous week; review of interventions of previous incidents; discussion of potential problems, and consideration of new programs.

"Overall, the Campus Environment Team works to build a supportive environment for women and men in the University's classrooms and research centers and in our communities that reflects our nation's diverse racial and ethnic populations and multifaceted histories, experiences and knowledge of humankind," Dr. Stewart said.

Examples of the team's efforts include promoting general awareness through various button and poster campaigns and conducting diversity orientation programs over the past three years with a total of 75,000 incoming students and family members. In addition, a wide variety of human relations programs have been made available to faculty, staff and segments of the local community, including police and business owners. Regular meetings also have been held with the local media to discuss trends and specific issues.

"We believe that our log of activities and the "Multicultural Update" present a factual basis from which Penn State's efforts can be judged and we will consider other such efforts in the future," Dr. Stewart added.

CAMPUS ENVIRONMENT

"Overall, the Campus Environment Team works to build a supportive environment for women and men...that reflects our nation's diverse racial and ethnic populations and multifaceted histories, experiences and knowledge of humankind."

Native American to speak at Wilkes-Barre Campus in June

Suzan Shown Harjo, a Native American activist, writer, and great-granddaughter of one of the Cheyenne Chiefs who fought against General Custer at the Battle of Little Big Horn, will be the speaker at the 1992 Luzerne County Women's Conference June 6 at the Penn State Wilkes-Barre Campus.

The conference, whose theme is "Discovering Our Past, Exploring Our Future," will have more than 70 workshops on issues of concern to women, including business, family, self-discovery, arts, health, and the world

Ms. Harjo currently is president and director of The Morning Star Foundation, a non-profit, Native American cultural rights advocacy group. She is co-founder and vice president of Native Children's Survival, an organization devoted to the "healing of Mother Earth and her children," and the national coordinator for the 1992 Alliance, an organization which focuses on the significance of the Columbus Quincentenary from the Native American perspective.

She was a congressional liaison for Indian affairs during the Carter Administration. Later, she spearheaded successful drives for the Native American Rights Fund to rewrite major Indian lands legislation. For five years, she was executive director of the National Congress of American Indians.

The Luzerne County Women's Conference is planned by a committee of volunteers assisted by the Continuing Education staff of Penn State Wilkes-Barre. For more information, call (717) 675-9101 or (717) 675-9121.

Suzan Shown Harjo

Set for May 30 at University Park

Women's Leadership Conference

The Pennsylvania Commission for Women is accepting registrations for the second annual Women's Leadership Conference, "Leadership for the 21st Century," to be held Saturday, May 30, at the Keller Conference Center at University Park.

Co-sponsored by state and local women's organizations throughout Pennsylvania, including the Penn State Commission for Women, conference workshops will focus on issues of social change, educational reform, political empowerment and personal development. Registrations will be accepted through May 29 and can be made by calling the commission at (717) 787-8129.

Sonya Prestridge, manager of SYMLOG programs in the leadership development applications group at the Center for Creative Leadership, Greensboro, N.C., will be the keynote speaker. She specializes in developing management programs and instruction for commitment, leadership and teamwork, and leads The Executive Women's Workshop.

Social change issues for discussion include Sexual Harassment: Survival Strategies; Redefining Career Opportunities; National Health Care Reform; Domestic Violence and Homelessness; Issues of Women's Health: Focus on STDs, and Starting Your Own Business.

The workshops on education will focus on issues of equity for women in the classroom, re-education and job training and support for women continuing their education. Community-based action, coalition building and surviving the electoral process are topics for sessions on political empowerment. Building self-esteem, leadership skills and mentoring will be covered in sessions on personal development.

Workshop presenters and moderators include women in statewide leadership positions in government, industry, academics and community organizations.

Among them are: **Barbara Price**, president of the Pennsylvania Association of University Women; **Lu Ann Karns**, president of More Women Candidates; **Catherine W. Cowan**, deputy secretary, Air and Waste Management in the Department of Environmental Resources; **Janice McElroy**, executive director of the Pennsylvania Commission for Women; and **Pat Halpin-Murphy**, special assistant to the Governor and former director of Senator Harris Wofford's Harrisburg office.

About 200 are expected to attend the day-long conference. For a registration brochure, contact conference coordinator Donna Ricketts at (814) 863-1743; for program information, contact Pennsylvania Commission for Women press secretary Elizabeth McInnis at (717) 787-8129.

Focus on Diversity

Number of women faculty members is on the rise

The number of Penn State women faculty is growing, Trustees have learned.

Shirley Smith Hendrick, assistant dean for continuing education in The Smeal College of Business Administration and chair of the Commission for Women, gave an annual report on the commission to the board at its May 14 meeting.

"One of the major responsibilities of the commission is to monitor the recommendations of the Study of the Status of Women at Penn State," she said. "We are making progress in some areas."

The number of full-time women professors rose by 11 between 1985 and 1991 to a total of 57. That compares to a decrease of six men in the same period for a total of 763 male professors.

"This is important because full professors are significant contributors to the leadership of the University, serving as administrators or committee members, and as mentors for graduate students and new faculty members," Dr. Hendrick said.

At the associate professor rank, there has been a significant increase from 95 in 1985 to 171 in 1991, an increase of 80 percent. This compares to an increase of seven males over the same period.

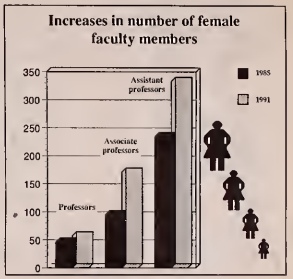
"This indicates that in most cases, there is an increase in the number of women receiving tenure over 1985 and they will be candidates for full professor rank," she added.

At the assistant professor level, there has been an increase of 98 females for a total of 333, and an increase of 31 males of a total of 840.

"One critical benefit of this change has been to provide more female faculty as mentors or role models for female students," Dr. Hendrick said.

Dr. Hendrick also cited the sponsorship of many ongoing activities and the celebration of the 10th anniversary of the commission, including the Speaker Series; the development of a New Agenda; the completion of a report on the study of women's athletics, as well as the continuing publication of the Achieving Women brochure and a survey of professional development programs available for women.

"The commission has had many accomplishments during its 10-year tenure," she noted. "We took the opportunity of our anniversary to increase the visibility of the Commission for Women and issues of importance to women."



Faculty/Staff Alerts

Car rentals for staff and faculty

The Big Ten has renewed its car rental agreement with Hertz for the 1992-1993 academic year, retaining the company as the primary supplier for all faculty and staff. Hertz has agreed to freeze the current corporate rate schedule for 12 additional months. A summary of the program follows:

Daily Rates: subcompact, $34/day; full size 4 door, $37/day; compact, $34/day; luxury, $45/day; midsize, $35/day; minivan, $52/day; full size 2 door, $37/day.

The rates include unlimited mileage when the vehicle is returned to the renting city. If the vehicle is not returned to the renting city, the appropriate corporate rate will apply, plus a one-way charge of .26/mile driven.

Free Loss Damage Waiver will apply on all rates in the Continental US, Alaska and Hawaii at a corporate or participating licensee location whether CONTRACT, SPECIAL LEISURE, PROMOTIONAL OR YIELD MANAGED RATES for both business and personal use. Liability limits on these rentals shall be a maximum of: $100,000 for each person, $300,000 for each accident and $25,000 for property damage. Additional liability coverage should not be purchased for business use rentals since the University would provide coverage above these limits if required.

Always request the lowest rate when making Hertz reservations. The toll free number is 1-800-654-3011 reference the Big Ten CDP-271435. It is recommended that you allow your travel agent to book your reservations to ensure lowest rate.

In the following cities there will be an additional surcharge for the Big Ten Corporate Rates: $3 daily, Detroit, Chicago, Washington, D.C., Baltimore, Hartford and Pittsburgh; $5 daily, Newark, Boston, Philadelphia, New York Metropolitan Tri State Area (N.Y., NJ., CT.); $12 daily, JFK/LaGuardia Airports, Borough of Manhattan. Please check with the contracted Travel Agencies or Travel Services for special rates in selected corridors and Big Ten cities.

Free loss damage waiver (LDW) is not provided outside of the 50 United States! Travelers should purchase the LDW coverage and request reimbursement.

On one-way rentals in Canada, a 10% discount on published "Basic Time and Kilometer" will apply.

Hertz continues to offer free membership in the #1 Club Gold Service. This service provides a convenient rental process at over 160 airports in the U.S., 8 in Canada, and in Europe. We strongly encourage all to enroll if you have not already.

Hertz #1 Club Gold applications and other Hertz identification materials are available at Travel Services or our contracted agencies, Centre for Travel and Omega World Travel.

REMINDER: Faculty and Staff are expected to use University Fleet whenever possible on University business. Hertz corporate rates are higher in State College than the standard contract rates.

If you have any further questions, contact Travel Services at 865-0395, E-Mail mlf2 or our contracted travel agencies.

SERS State College Field Office

The State Employes' Retirement System (SERS) is scheduled to open a new field office on June 1, located in State College in the Hamilton Square Shopping Center at 208 West Hamilton Avenue, telephone 814-863-6506 or toll free 1-800-432-0888. Personnel in that office will serve SERS members who work in the following counties: Bedford, Blair, Cameron, Cambria, Centre, Clearfield, Fulton, Huntingdon, Juniata and Mifflin.

The following services, which have been provided by the Employee Benefits Division of the Office of Human Resources, will be handled by the field office when it opens: individual and group retirement counseling; retirement estimates; applications for retirement, and process applications for purchase of prior service as well as military and out-of-state service.

The Employee Benefits Division will continue to enroll new members in SERS, process beneficiary changes, and handle withdrawal of retirement contributions for those not eligible for a pension.

The Employee Benefits Division also will continue to provide assistance and counseling to members of the Teachers Insurance and Annuity Association (TIAA) retirement plan.

SERS will continue to open field offices throughout the Commonwealth in order to better serve active and retired members of the retirement system. At the present time, field offices are located in Montoursville, Wilkes-Barre, Seneca (northwest), Philadelphia and Pittsburgh. If you are located in an area not served by a SERS field office, please continue to contact the regional human resource representative serving your campus.

SERS Account Statements

Annual retirement account statements have been distributed to faculty and staff members who belong to the State Employes' Retirement System (SERS). These statements provide information about retirement accounts as of Dec. 31, 1991.

Many of the statements contain either current retirement estimates (as of the end of last year) and/or projected retirement estimates to normal retirement age. The member's age, years of service and proximity to the normal retirement date determine the type of estimate(s) which are provided.

Faculty and staff members with questions about retirement account statements should contact the State Employes' Retirement System's Regional Counseling Center listed on the member's statement.

From the Trustees Docket

President briefs board on state appropriation status

The status of Penn State's 1992-93 state appropriation has remained generally static for the past several months. **President Thomas** told the Board of Trustees at its meeting May 15 at University Park.

"The House Democrats have retained the Governor's recommended $9.475 million cut for Penn State," Dr. Thomas said. "If eventually approved by the Legislature and signed by the Governor, this will represent a 3.7 percent reduction in the University's state appropriation as compared to what was approved in 1991-92."

Dr. Thomas told the Board he has made a number of trips to Harrisburg in recent weeks to meet with legislators on the budget situation, including a meeting with members of the Penn State Forum on May 13.

"We had a positive session and I believe the legislators left with a clear understanding of just how lean Penn State is right now," Dr. Thomas said. "I believe they understand the impact the proposed cuts will have, and I hope this will result in better appropriations in future years."

Dr. Thomas also reported that he met several weeks ago in Harrisburg with presidents of other institutions in Pennsylvania to present a united front on the need for better funding of higher education.

"We cannot escape the fact that Pennsylvania's ranking for higher education funding remains among the lowest of the states," he said. "A few supporters indicated they would work to make the proposed cuts smaller than they are now, but all underscored the seriousness of the state's fiscal situation at the present time."

One new initiative from Penn State which Dr. Thomas outlined is an effort by **Robert Dunham**, senior vice president and dean for the Commonwealth Educational System.

"Dr. Dunham is working with members of the Campus Advisory Boards to extend a grassroots effort across the state," he said. "His effort is a follow-up to a message I've personally carried to each of the campuses in terms of the need to get our message more directly to legislators in communities where we have Penn State locations.

"We are laying the groundwork for future strength and activity and I am pleased with the response and support we have received to date. It is a year in which victories will not come easily, but a year in which we must be persistent in explaining what an investment in Penn State means — and will continue to mean — for the Commonwealth."

President Thomas told the Board he remains optimistic that the Executive Branch will release funds for the Pattee Library addition and a number of other critically needed facilities.

Future bright for growth of research at University

Research is a bright area in future University growth, and Penn State has excellent prospects in many areas, according to **David A. Shirley**, senior vice president for research and dean of the graduate school.

"The long-term average annual real growth rate for research is about 6 percent compounded over 30 years from 1958, or about 3 percent compounded over the last 20 years," Dr. Shirley said.

"It is a good guess that the annual real increase in research funding will average 3 to 6 percent in the coming years," he told Trustees.

The mix of revenues to research universities from the three traditional funding sources, tuition, state support and research funding, would change in the future, and Dr. Shirley predicted that research universities would become "researchier."

"I welcome this trend because it will bring to the research universities a richer mix of graduate students, more diversity, better educational opportunities for undergraduates — including research opportunities — a brighter and more stimulating faculty, and closer coupling to society's need," he said.

"I want to point out that as Penn State becomes researchier, we won't be neglecting undergraduates. In March, at the sixth National Conference on Undergraduate Research at the University of Minnesota, 38 of the 1,200 student participants were Penn Staters.

"That was the highest number of students from any institution, excluding the host. I intend to find ways to stimulate the further development of undergraduate research."

Dr. Shirley said the faces of research scientists are changing, with diversity among students at the forefront. There also is renewed pressure from industry for universities to help solve problems.

"The formal research establishment has just not done a good job in long-term research planning. "But, Penn State has done an excellent job establishing mechanisms and planning for the future. We are not underrepresented in areas that are now considered priorities, but we need to focus on where new emphases will be."

"Research funding cannot continue to grow forever," Dr. Shirley noted. "The thing to define is when and where funding will become saturated."

> ***"It is a good guess that the annual real increase in research funding will average 3 percent to 6 percent in the coming years."***
>
> **David A. Shirley**
> Senior vice president for research

Trustee election results tallied

Five incumbents have retained their seats on the Board of Trustees, while two newcomers have been chosen. All will serve three-year terms beginning July 1.

Elected by Penn State alumni were:

— **Nancy Van Tries Kidd**, president and director of Psychological Counseling Resources Inc. of Richmond, Va., a trustee who has served for nine years.

— **Barry K. Robinson**, deputy general counsel of the Recording Industry Association of America Inc., of Bethesda, Md., and a trustee since 1989.

— **Robert L. Horst**, engineer and founder of Peak Productivity USA, a Lancaster-based technical consulting firm to manufacturing management.

Re-elected by the agricultural society delegates were:

— **Charles C. Brosius**, president of Marlboro Mushrooms, a 200-acre Pennsylvania Century Farm which he operates with his family in West Grove, and a trustee since 1989.

— **Roger A. Madigan**, a state senator since 1984 representing the 23rd Senatorial District, who currently operates a 260-acre beef farm near Towanda, and a trustee since 1979.

Re-elected by the industrial society delegates was:

— **Edward P. Junker III**, chairman and chief executive officer of Marine Bank, Erie, and vice chairman of PNC Financial Corporation, Pittsburgh, and a trustee since 1986.

Also elected was:

— **L.J. "Bud" Rowell Jr.**, president and CEO of Provident Mutual Life Insurance Co. in Philadelphia.

Changes in programs noted

The Board of Trustees has been informed of changes in undergraduate and graduate programs.

The master of music degree in piano pedagogy and performance has been added to the College of Arts and Architecture. The new program reflects the mutually beneficial relationship between the two fields.

In undergraduate education, the Board learned about the restructuring of a major, the addition of three minors and name changes for two options.

— The major in behavioral sciences at Penn State Harrisburg will be restructured to make the program consistent with other academic programs there. The restructuring includes changing the existing option in secondary education (social studies) in the major in behavioral sciences to a major in secondary education social studies.

Also, the bachelor of social science degree will become the bachelor of science degree. The option in general psychology will be the major in psychology, and the option in general social science will be the major in general social science.

The option in human services will become the major in applied behavioral science; the option in sociology will be the major in sociology.

— Addition of a minor in physics at Penn State Erie, The Behrend College.

— Addition of a minor in earth systems in the College of Earth and Mineral Sciences.

— Addition of a minor in military studies in Intercollege Undergraduate Programs.

— Change the option in physical geography in the major in geography to option in physical/environmental geography in the College of Earth and Mineral Sciences.

— Change the option in planning and applied geography in the major in geography to the option in urban and regional development, in the College of Earth and Mineral Sciences.

From the Trustees Docket

Uncertainty creates need for interim budget beginning July 1

The Board of Trustees has approved an interim maintenance and operating budget for the fiscal year beginning July 1.

The interim budget was approved at the level of the adjusted 1990-91 budget of $1,380,574,000 for all divisions, including the Hershey Medical Center and all auxiliary enterprises.

"Since we are not yet sure what the state appropriation will be for the University, a final budget is not available for the Board's approval," said **Steve A. Garban**, senior vice president for finance and operations. "Thus, the University will need an approved interim budget to enable it to operate into the new fiscal year, which starts July 1. The Board is not scheduled to meet again until after that date."

The interim budget was approved with the recommendation that no action be taken at this time on changes in tuition, salaries and wages, staff benefits or other necessary expense increases.

A final budget will be submitted at the July 11 Board of Trustees meeting, if and when the state appropriation is clarified.

Name changes approved for four University departments

The Board of Trustees has approved name changes for four University departments.

— In The Mary Jean and Frank P. Smeal College of Business Administration, the Department of Management Science will be renamed the Department of Management Science and Information Systems. Also, the Department of Accounting and Management Information Systems will become the Department of Accounting.

The proposed change results from the transfer of the Management Information Systems faculty from the Department of Accounting to the Department of Management Science.

— In the College of Engineering, the Department of Civil Engineering will be designated the Department of Civil and Environmental Engineering. One-third of the department faculty currently conduct research on environmental subjects.

— In the College of the Liberal Arts, the Department of Slavic Languages will be known as the Department of Slavic and East European Languages.

The proposed name will more accurately reflect the nature of the department's teaching and research activities as well as conform to changing national trends.

Trustees okay guidelines for conferring honorary degrees

The Board of Trustees has approved guidelines and procedures for the awarding of honorary degrees at the University.

"The awarding of honorary degrees furthers the academic purposes of the University by recognizing very distinguished scholars, public servants, creative artists and others who have contributed significantly to knowledge and to society," said **John A. Brighton**, executive vice president and provost and chair of the committee that made the recommendations.

The guidelines, which were supported by the University Faculty Senate, include:

— Sustained achievement and distinction of national or international significance in an activity consonant with the mission of the University.

— Alumni of the University are eligible for the degree in addition to other awards which exist for the purpose of recognizing alumni services and contributions to the University.

— Not eligible are administrators, faculty or staff of Penn State; nor current members of the Board of Trustees; officials of the Commonwealth of Pennsylvania and its subordinate units; members of the Legislature during their terms of office; nor spouses or immediate family members of ineligible persons.

Each year, the president of the University will request nominations and forward them to the Committee on Honorary Degrees. Up to four candidates will be recommended to the president.

The president will select the names that will be forwarded to the Trustees for final approval.

The Committee on Honorary Degrees will comprise 13 members appointed by the president from a slate of nominees: seven faculty members, with five from recommendations by the University Faculty Senate, one from the Evan Pugh Professors and a recipient of a Universitywide teaching award; two deans;

An undergraduate student selected from those nominated by the Undergraduate Student Government; one graduate student selected from those nominated by the Graduate Student Association; one undergraduate student selected from those nominated by the Commonwealth Campus Student Association; and one alumnus selected from those nominated by the Alumni Association. The vice president for administration serves as an ex officio member of the committee.

Partnership

Continued from Page 1

Commonwealth of Pennsylvania.

"We're delighted to see this partnership with Pepsi come to fruition, and the University's allocation of $6 million for the Convocation Center campaign — roughly one-third of our goal — provides a tremendous boost to our efforts," said **Edward R. Hintz**, chairman of the Convocation Center campaign, which was launched in April 1991.

"With this boost," Mr. Hintz added, "I am confident we can complete the campaign quickly, well ahead of our deadline of Dec. 31, 1992."

Dr. Thomas praised Pepsi for developing a business plan that will create incremental revenues which will provide funds for a number of badly-needed facilities and programs at a time when traditional funding sources are stretched to their limits.

The $1 million supporting the expansion of Pattee Library at University Park will supplement the $19.8 million the Commonwealth of Pennsylvania already has authorized — but not yet released — for the project. In late April, Dr. Thomas named Head Football Coach **Joe Paterno** to head a feasibility study of a fund-raising campaign for Pattee. At that time, the Penn State Alumni Association also pledged a $500,000 gift to the University Libraries.

The $500,000 supporting the proposed HUB/Robeson Cultural Center expansion at University Park will be used as matching dollars in an effort to encourage the Commonwealth to provide capital dollars for that facility. The planned expansion will add about 110,000 square feet — a 50 percent increase — to the main student union building and connect to it a new 33,000 square-foot Paul Robeson Cultural Center. Currently, the latter facility — used for multicultural programming — is located in a 12,000-square-foot wooden building about a block from the Hetzel Union Building. In April, the Penn State Alumni Association committed a $500,000 gift for the project.

The $500,000 designated for the University's other campuses will be divided to include: the 17 Commonwealth Campuses that compose the Commonwealth Educational System; Penn State Erie, the Behrend College; Penn State Great Valley in suburban Philadelphia; and Penn State Harrisburg.

The remaining revenues will be used to fund ongoing previous commitments. These include, for example, scholarship funds; support for University Housing and Food Service vending operation activities, and a new scoreboard for Beaver Stadium.

"Pepsi is equally excited about this partnership," said Andy Cross, Pepsi's vice president for on-premise sales. "It's a classic win-win situation, and it gives Pepsi an array of marketing opportunities in connection with one of America's most prestigious universities."

Pepsi will gain exclusive rights to place its logo on the main scoreboard in 94,000-seat Beaver Stadium and will be the primary corporate sponsor on the main scoreboard in the Convocation Center. Pepsi also will be extended other print, radio and TV advertising opportunities in connection with Penn State athletic events as well as rights for syrup product sales and vending service contracts University wide, excluding the Hershey Medical Center.

"Our arrangement with Penn State is unique because it joins three typically distinct areas — fountain sales, vending, and athletics sponsorship — in a single agreement," Mr. Cross said. "This is a breakthrough for Pepsi and warranted a long-term partnership with Penn State.

"Pepsi also is looking forward to associating more fully with the broader life of the University. We'll be better positioned to support the goals of the University and meet the needs of its students."

President Thomas said the new partnership with Pepsi will do much to help provide for critically-needed new and renovated facilities at the University.

"Our students and faculty, our alumni, and others in the Penn State family will benefit for years to come," he said.

Highlight on Undergraduate Education

The Women's Studies Program at Penn State combines research scholarship, teaching and service to the University community in a unique way, creating the potential for a national leadership role.

"The women's studies faculty are distinguished for their research and teaching accomplishments," said **Lynne Goodstein**, director of the program based in the College of the Liberal Arts. "For example, our faculty have received key research grants from prestigious groups such as the National Science Foundation, Guggenheim Foundation, Mellon Foundation and Rockefeller Foundation."

In teaching, the excellence of the faculty is illustrated by the receipt of two 1991 Lindback teaching awards by women's studies faculty.

Undergraduate students can major or minor, and graduate students can minor in women's studies. To date, there are nine students in the newly approved major and 50 students in the minor; another 25 students are pursuing the graduate minor.

Student Rochel Lesko listens as Lynne Goodstein, director of the Women's Studies Program, points out sections of a text currently used as part of the program's curriculum. (Photo: Greg Grieco)

Eight faculty carry joint appointments in women's studies and another department. Another 24 faculty in other departments have affiliations with the program.

"Each semester, an average of 30 sections of core and cross-listed courses are available in disciplines such as anthropology, history, English, psychology, health education and sociology," Dr. Goodstein noted. "In addition, an innovative project has brought women's studies courses to nearly all the Commonwealth Campuses."

These courses offer subject matter and perspectives that compel students to be actively involved in their education, stimulate problem solving and critical thinking and lead to personal growth and development, according to the director.

Because of its emphasis on critical thinking and reasoning, student involvement in learning and the maintenance of small classes, the program provides an educational experience available at smaller, liberal arts colleges.

Women's studies courses have proved to be popular with students with more than 1,500 signing up annually. In the introductory course alone, Women's Studies 001, enrollment has jumped from 99 in 1986 to 390 in 1990, an increase of 394 percent.

"A background in women's studies has helped students to expand their career opportunities," Dr. Goodstein said. "Individuals who are knowledgeable about gender and women's issues are sought for positions in politics, management, law and human service work."

The Women's Studies Program has been a leader in the development of curriculum integration at Penn State. The faculty has organized universitywide faculty conferences, served on committees to develop the cultural diversity requirement, and written proposals for integration initiatives.

"Women's studies enhances the climate for personal and intellectual growth at Penn State through the sponsorship of high-quality programs and lectures," the director says. "The acclaimed Feminist Scholars Lecture Series, for example, has brought nationally and internationally renowned scholars to the University Park Campus."

Penn State's efforts are in concert with a report by the American Association of Colleges which says "women's studies (nationwide)...is transforming our basic ways of understanding social, psychological and historical processes. These new questions have provided a powerful stimulus for fresh approaches in the classroom."

News in Brief

Enrichment program

The Individual and Family Consultation Center will offer a couples' weekend enrichment program June 13-14 at University Park.

The program, called "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is $125 for an individual and $200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

Laptop computer rentals

The Microcomputer Order Center at University Park is offering both DOS and Macintosh laptop computer systems for a rental fee of $10 a day. Word processing, spreadsheet and communications software are included.

Full-time faculty or staff members are eligible to rent a laptop computer. Payments can be made with cash, check or an IDT to the Microcomputer Order Center. Personal rentals require a $50 deposit. All fees are collected in advance.

For more information or to reserve a laptop computer system, contact the Microcomputer Order Center at 22 Willard Building, 865-2100.

Weight Watchers at Work Program

A new 10-week session of the Weight Watchers at Work Program begins Wednesday, June 10, at University Park. New members are welcome.

This safe and effective program is specifically designed to meet the working person's needs. A trained leader helps participants deal with common problems such as coffee breaks, business travel and stress-related eating. The group meets on Wednesdays from noon to 1 p.m. at the Paul Robeson Cultural Center.

The cost for faculty and staff is $90 and must be pre-paid by check, Visa or Mastercard. A split-payment plan is available. For registration information, call the Faculty/Staff Health Promotion Office at 865-3085.

General Stores vendor show

General Stores will launch its expanded inventory program with the theme, "The Big Big Show," from 10 a.m. to 2 p.m. Thursday, June 4, in the ballroom of the Nittany Lion Inn at University Park.

The show will feature items from General Stores *Big Book* and *Best Buy Book*. In addition to displays of new office products, there will be demonstrations of the IBIS ordering system and desktop publishing by personnel from Management Systems and Printing Services.

General Stores invites University faculty, staff, and clerical employees to attend. Free product samples and refreshments will be provided and attendees will be registered to win one of four door prizes.

Educational Office Personnel

Jacqueline Esposito, assistant University archivist, will present a program on "Records and File Management" at a special topic meeting of the Penn State Chapter of Educational Office Personnel at 12:10 p.m. Thursday, June 11, in Room 256 Hammond Building at University Park.

She will discuss how long files should be kept; disposal of confidential records; how to systemize storage and retrieval; what records should be microfilmed, and services offered by the University Archives and Records Management Program. A question-and-answer session will address specific concerns.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, staff non-exempt, clerical and technical service. It is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Office Personnel. All PSEOP special topic meetings are open to the public.

At University Park Campus

More open space and improved walkways planned

Open space and improved pedestrian throughways are planned for development or are already under development at several sites at University Park.

James M. Wagner, vice president for business and operations, presented a report to the Board of Trustees on site development plans for the new parking garage area, the existing poultry facility and the new West Campus.

"Every effort is being made to design as much open space as possible into these areas and to create attractive pedestrian thoroughfares," Mr. Wagner said. "These projects will help make up for some of the open space lost to various other construction projects on campus."

The Hillier Group of Philadelphia was retained to integrate the initial concepts for the development of the three areas.

Construction of an 821-space, five-level parking garage, which also will feature about 18,000 square feet of office space, is well underway. The nine-acre site is between Eisenhower Auditorium and Bigler Road.

Mr. Wagner reported that future construction in this area will include a six-story academic office building at the east end of the site. A pedestrian pathway will run along the south edge of the site from Shortlidge Road to Bigler Road and a landscaped area will separate the academic building and parking garage.

The existing 14-acre poultry facility site between Bigler Road and University Drive "will be available for conversion to playing fields once construction of a new poultry facility, already underway, is completed," Mr. Wagner said. "The nearby outdoor swimming pool, outdoor tennis courts and indoor tennis court building will remain unchanged."

Plans call for the creation of two grass playing fields and an artificial turf playing field, all sized to accommodate football, soccer, lacrosse or field hockey. A portion of the poultry headquarters building will be retained and adapted for use as a sports pavilion.

Other features proposed for the site include six intercollegiate tennis courts and a park-like picnic area. Also planned is a five-level, 1,080-car parking structure with vehicular access from University Drive. A proposed pedestrian bridge across University Drive would allow persons easy access from the parking structure area to the future Academic/Athletic Convocation and Events Center.

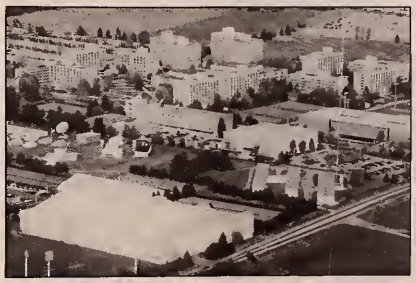
"These plans will not only replace playing fields that have been lost because of some other projects, such as the Classroom Building, but also will enhance a significant area of the campus," Mr. Wagner said.

The new West Campus plan calls for the development of 52 acres west of Atherton Street over the next 30 or more years. In general, the site is bounded by Atherton Street on the east, Pollock Road — which will be extended — on the north, and the University property line on the south.

"Final completion of the plan has been put on hold until a more in-depth study is made of the parking demands of this area and central campus," Mr. Wagner noted. "However, the image of the new West Campus will reflect the scale and character of the existing central campus."

The present plan calls for three primary quadrangles defined by groups of four-story research/academic buildings linked by central pedestrian pathways. Service and delivery vehicles would approach the buildings from perimeter roadways, thus leaving the landscaped quadrangles solely for pedestrian use.

Already under construction on the site is the ARL Building, an applied research laboratory. A second building for engineering and earth and mineral sciences is now under design.



The 14-acre poultry facility site between Bigler Road and University Drive, shown in this aerial photo taken by Greg Grieco, will be converted to playing fields.

Two more research buildings have been approved by the state legislature, but funds for their construction have not been released, Mr. Wagner said. All other buildings included in the plan have only been proposed at present.

A major vehicular connection to State College Borough from the West Campus would be provided at Sparks Street, along with enhanced pedestrian tie-ins at Patterson and Gill Streets.

"Pedestrian connection to the central campus will be by a planned pedestrian bridge spanning Atherton Street south of Walker Building," Mr. Wagner noted. "Also, an enhanced grade crossing would be situated at the Pollock Road entrance to the University."

Plans have also been set for a two-phase reconfiguration of the Blue and White Golf Courses because of West Campus construction. Phase one of the plans, now underway, calls for improvements to the golf area's water system. Phase two includes revisions to the course layout.

"In general, the reconfigured layout will provide four nine-hole courses which start and end convenient to a central clubhouse area," Mr. Wagner said. "The clubhouse is being planned as a separate project and will include locker rooms, a pro shop, a snack area, office, and service and storage rooms."

In other action, Trustees:

- Approved final plans and authorized the University to obtain bids and award contracts for a laboratory complex at Penn State Erie, The Behrend College.

The two-story complex, designed by Burt Hill Kosar Rittelmann Associates of Butler, will provide 55,000 gross square feet for instruction and research laboratories, classrooms, seminar and office space. Approximately $4 million of the project's $6 million budget will be generated through fundraising activities in the Erie area.

- Approved the construction of eight tennis courts to serve the student body at the Delaware County Campus. The project will be funded by a designated gift to the campus and is designed by Thomas Comitta Associates Inc. of West Chester. The individually lighted courts will be constructed of concrete with an applied synthetic playing surface.
- Approved construction of a maintenance building designed by Hayes Large Architects of Altoona for the Altoona Campus. With 7,000 gross square feet, the building will house maintenance offices, shops and storage.

Bookshelf

Wendell V. Harris, professor of English, is the author of *Dictionary of Concepts in Literary Criticism and Theory*, published in April by Greenwood Press.

The book is a collection of essays on fundamental literary concepts. Dr. Harris distinguishes among the many ways that a literacy term has been used or is currently used, and notes the major debates concerning that concept. He documents each entry with full references and information on additional sources.

A specialist in literary theory and Victorian literature, he has written books such as *British Short Fiction of the Nineteenth Century, The Omnipresent Debate and Interpretive Acts.*

Daniel W. Pfaff, associate professor of journalism and acting dean of the School of Communications, is the author of *Joseph Pulitzer II and the Post-Dispatch: A Newspapernan s Life.*

According to Dr. Pfaff, the news and editorial departments, rather than business operations, were the major priorities of Joseph Pulitzer II, the late publisher of The St. Louis Post-Dispatch.

"He showed it was possible to place principles ahead of the balance sheet and still come out ahead," Dr. Pfaff said.

Mr. Pulitzer molded the St. Louis newspaper into one of the country's top metropolitan dailies during his 43-year career as its editor and publisher, from 1912 to 1955.

Dr. Pfaff said the publisher was aware of economic cycles and focused his efforts on publishing a good, quality newspaper even if that meant making only a modest profit.

"If it came to a crunch between advertising and the need for more news space, he was known to push out some ads," he said.

Focus on the arts

"Mishima Vase," a stoneware vase by Japanese artist Tatsuza Shimaoka, will be on view in the lobby at the Calder Way and Allen Street branch of Peoples National Bank during June. The exhibit is part of the "Art to Go" program.

Centre Stage tickets

Single tickets for the 1992 Pennsylvania Centre Stage season are on sale at the Eisenhower Auditorium Ticket Center at University Park.

Centre Stage's 1992 productions include the children's musical, "Yankee Doodle;" Neil Simon's memory play "Brighton Beach Memoirs;" the musical "George M!," and the Fats Waller musical revue, "Ain't Misbehavin'."

"Yankee Doodle," directed by Domenick Scudera, is a lyrical, musical roll call of who's who in American history. Susan B. Anthony, Benjamin Franklin, Daniel Boone, Scott Joplin, and Harriet Tubman are just a few of the more famous Yankee Doodles in this musical excursion to be performed June 6 and 13 in The Playhouse.

Brooklyn in 1937 is the setting for Neil Simon's comic drama "Brighton Beach Memoirs." Times are tough for the Jerome family: Two have heart disease; one has asthma and two lose jobs needed to keep the financially-strapped family afloat. No matter how bleak things look, 15-year-old Eugene is ready with a wisecrack and a wry observation. "Brighton Beach Memoirs" runs June 19 through July 4 in the Pavilion Theatre. Preview performances are June 17 and 18.

"George M!," the musical biography of Broadway's most versatile showman, offers such American tunes as "Yankee Doodle Dandy," "Over There," "You're a Grand Old Flag" and "Give My Regards to Broadway." This flamboyant musical hits the boards July 3 through July 18 in The Playhouse. Preview performances are July 1 and 2.

The season closes with "Ain't Misbehavin'," a sassy, sophisticated revue featuring the music of Thomas "Fats" Waller. This Tony award-winning show recreates the gaudy glamour and excitement of a Harlem nightspot in the 1930s. "Ain't Misbehavin'" plays July 17 through Aug. 1 in the Pavilion Theatre. Preview performances are July 15 and 16.

For a season brochure or additional ticket information, contact the ticket center, open Monday through Saturday 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

The arts on Channel 3

"Waldo Salt: A Screenwriter's Journey," a film nominated for an Academy Award last year as Best Feature Documentary, tells the story of Oscar-winning writer Waldo Salt who overcame the stigma of the 1950s blacklist to create such powerful films as "Midnight Cowboy," "Serpico," and "Coming Home." The program airs at 10 tonight on American Masters on WPSX-TV.

Listen closely to the soaring sounds of Jacksonville Jazz XII, airing at 10 p.m. Thursday, June 4, and see the changing face of jazz come alive. Taped at the acclaimed Jacksonville Jazz Festival, the one-hour program celebrates the diversity of jazz.

Great Performances will be front and center for the Metropolitan Opera's Lavish new production of Puccini's rootin'-tootin' Gold rush tale, "The Girl of the Golden West 11, airing at 8 p.m. Wednesday, June 19. Conducted by Leonard Slatkin, the special features Barbara Daniels, Placido Domingo and Sherrill Milnes and marks the second appearance of the trio this season on the series.

Docent program

Persons interested in participating in the docent program at the Palmer Museum of Art at University Park are invited to a reception at 5:30 p.m. Thursday, June 4, on the second floor of the Playhouse Theatre in the Arts Building.

Kahren Arbitman, director of the Museum, and current docents will make brief presentations. Guests will learn about docent training and benefits, including information about trips, tours and art history classes.

When the Museum's new wing is complete, the Museum's education department will expand its programs and tours for visitors. The Museum is seeking applications for docents who will volunteer their time and talent to help visitors experience works of art.

The reception is free and open to anyone interested. If you would like to attend or need more information, please call the Museum at 865-7672.

'Yankee Doodle'

"Yankee Doodle," Pennsylvania Centre Stage's first production especially for children, will be performed at 10 a.m. and 1 p.m. Saturday, June 6, and Saturday, June 13, in the Playhouse at University Park. The 90-minute show includes a fun and informative educational program.

Tickets are $5 for adults; $3 for children. For more information, contact the Eisenhower Auditorium Ticket Center.

'Touch the Ground'

An exhibition of oil paintings by Glenn Liddy titled "Touch the Ground" is on display through June 9 in the West Lobby Gallery of Pattee Library at University Park.

The exhibition is a sampling of Mr. Liddy's completed work and portrays people in State College and in his hometown of Middletown.

Penn's Woods

Season subscription and single performance tickets for Music at Penn's Woods, the summer orchestral and chamber music festival at University Park go on sale Monday, June 8, at the Eisenhower Auditorium Ticket Center and Schwab Auditorium Box Office.

Saturday concerts will be presented at 7:30 p.m. June 27 and July 4, 11, and 18. The June 27 concert will be in Eisenhower Auditorium; the July 4, 11 and 18 concerts will be in Schwab Auditorium. This year's concert themes are: "Discover Beethoven," "Discover America," "Discover the Arts" and "Discover Russia."

Free chamber music recitals will be performed at 3 p.m. Sundays, June 28 and July 5 and 12, and at 7:30 p.m. Wednesdays, July 1, 8, and 15, in the School of Music Recital Hall.

Music at Penn's Woods, a program of the School of Music, brings together gifted musicians from colleges and universities across the country for a month-long residency at Penn State.

Season subscriptions are $24 for adults; $15 for students, and include all four concerts if purchased by June 27. Single tickets are $8 for adults; $5 for students. For more information, contact the Eisenhower Auditorium Ticket Center, 8:30 a.m. to 4:30 p.m., Monday through Saturday, at 863-0255.

Clarinet recital

Evelynn Ellis and Jill Olsen will continue their summer recital series of music for clarinet and piano at 3 p.m. Sunday, June 14, in the Music Building Recital Hall at University Park.

Ms. Ellis is an academic adviser in the College of Health and Human Development and Ms. Olsen performs recitals throughout the Centre Region. This will be their seventh annual recital and will feature music from the classical, romantic and twentieth century periods.

This year the duet will be joined by the Alard String Quartet.

Evelynn Ellis

Ms. Ellis and Ms. Olsen will open the program with the Pastoral for Clarinet and Piano by the British composer Arthur Bliss, which will be followed by the Fantasy and Variations on a Theme by Danzi by Spohr. The program will

See 'Arts' on Page 10

University Park Calendar

May 28 - June 14

Special Events

Friday, May 29
Shaver's Creek, Summer Stargazing Program, Session I. Cloud Date: May 30. Call 863-2000.
Saturday, May 30
Alumni Reunion, through May 31.
Shaver's Creek, 10-11:30 a.m., Turtle Time. Call 863-2000.
Friday, June 5
Special Olympics, through June 7.
Saturday, June 6
Pennsylvania Centre Stage, 10 a.m. and 1 p.m., The Playhouse. Yankee Doodle. Also June 13
Shaver's Creek, 10 a.m.-2 p.m.; Colored Pencil Workshop. Call 863-2000.
Sunday, June 7
Shaver's Creek, 1-4 p.m., Reconnecting With Nature. Call 863-2000.
Wednesday, June 10
"Out Of The Past," 7-9 p.m., Schwab Aud. Lewis Binford, Southern Methodist Univ., on "New Worlds."
HUB Lawn Films, dusk, Kindergarten Cop. (Rain Location: HUB Assembly Room, 9 p.m.)
Thursday, June 11
"Diversions," music at noon, Fisher Plaza. Andrew Jackson.
Friday, June 12
"Diversions," ice cream, 7-8 p.m., Creamery/Pavilion. Music by Bavarian Stompers.
Shaver's Creek, 8-10 p.m., Owl Prowl. Call 863-2000.
Saturday, June 13
Nittany Knights Barbershop Chorus of State College, 8 p.m., Eisenhower Aud. The Alexandria Harmonizers.
Sunday, June 14
Shaver's Creek, 2-3:30 p.m., Low-Impact Camping. Call 863-2000.
■ Japanese Film Festival, 7:30 p.m., Carnegie Cinema, through June 19.

Conferences

Continuing Education
Keller Building
May 28. PA Bar Institute. Shirley Hendrick, chair; Jerri Milsom, coordinator.
May 29-31. NOW Mid-Atlantic Region Conference. Robert F. Nicely, chair; Donna Ricketts, coordinator.
May 29-31. American Regions Mathematics League. Bill Stemer, coordinator.
May 29-31. Profiles in the Third Age. Jim Weeks, chair; Roger Maclean, coordinator.
May 30. Leadership for the 21st Century—PA Commission for Women. Shirley Hendrick, chair; Donna Ricketts, coordinator.
May 31-June 6. Elderhostel I. Jack Sinclair, coordinator.
June 1-5. Occupational Safety and Health Training Institute. Richard Hindle, chair; Chuck Herd, coordinator.
June 1-5. PA Association of Arson Investigators. Eric Loop, coordinator.
June 1-5. Probable Maximum Flood Standards. Arthur Miller, chair; Barb Impelliteri, coordinator.

"Dancing Shokers by Sue Amendolara will be part of the School of Visual arts exhibition, "Crafts National 26," a juried exhibition of contemporary crafts open June 7 through July 26 in Zoller Gallery at University Park.

June 2-5. PA Therapeutic Recreation Institute. Bill Sterner, coordinator.
June 2-5. Separation and Purification Strategies for Biotechnology Products. Kamal Rashid, chair; Jerri Milsom, coordinator.
June 3-5. Troubleshooting O & M Problems in Activated Sludge Wastewater Treatment Plants. David Long, chair; Eric Loop, coordinator.
June 5-7. Union Leadership Academy. Gilbert Call, chair; Chuck Herd, coordinator.
June 6-31. Computer-Intensive Math Education Institute. Kathy Karchner, coordinator.
June 7-13. Elderhostel II. Jack Sinclair, coordinator.
June 8-10. Computational Methods in Stormwater Management. Thomas Seybert, chair, Barb Impelliteri, coordinator.
June 8-11. Play Therapy for the Professionals. Louise Guerney, chair; Kathy Karchner, coordinator.
June 8-12. Domestics Relations. James Horner, chair; Kathy Karchner, coordinator
June 9-11. Applied Finance and Economic Analysis for Scientists and Engineers. John McWhater, chair; Chuck Herd, coordinator
June 10-12. Planning and Designing Longwall Mining Systems. R.V. Ramani, chair; Roger Maclean, coordinator.
June 10-14. Chamber Music Workshop. Donald Hopkins, chair; Eric Loop, coordinator.
June 10-Aug. 8. Intensive English Communications Program. Charles Schroen, chair; Bill Sterner, coordinator.
June 11-13. Child Relationship Enhancement Family Therapy. Louise Guerney, chair; Kathy Karchner, coordinator
June 11-14. International Conference on Molecular Evolution. Thomas Whittam, chair; Jack Sinclair, coordinator.
June 13. Nittany Knights. Jack Sinclair, coordinator.
June 14 Big 10 Audit Conference. Anthony Demin, chair; Roger Maclean, chair.
June 14-20. Elderhostel III. Jack Sinclair, coordinator.
June 14-July 3. Leadership Institute in STS Education. Peter Rubba, chair; Kathy Karchner, coordinator.
June 14-July 25. High School Intensive Language. Jeannette Bragger, chair; Barb Impelliteri, coordinator

Seminars

Thursday, May 28
Thursday, June 11
Summer Sessions seminar, 4 p.m. Nittany Lion Inn, Fireside Lounge Roy Hammerstedt on "Biological Consequences of Space Travel." Reception, 3:30 p.m.

Exhibits

Hetzel Union Art Galleries.
Art Alley Panels:
Pennsylvania, Guild of Craftsmen, through May 31.
Browsing Gallery:
Raquel Berg, through May 31.
Kern Galleries
Traveling Photography, through May 30.
Pattee Library
East Corridor Gallery:
Xi Dan, "New Classic Paintings," and Ningyu Jiang, "Life and Dream", June 1-30.
West Lobby Gallery:
"Touch the Ground," an exhibition of oil paintings by Glenn Liddy, through June 9.
Lending Services Gallery:
"Bittersweet," an exhibition of watercolors by Alyce Kittl, through May 31.
Rare Books Room:
The Thought of W.E.B. DuBois, through May 30.
■ The Medieval City Under Siege· Urban Warfare in the Middle Ages, through May 30
Zoller Gallery
Crafts National 26, a juried exhibition of contemporary crafts, June 7-July 26.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234, Arts Line—345; University Calendar—456.
■ Reflects an international perspective

Four scholars presenting higher education seminars

At the invitation of the Czech and Slovak Federative Republic and the American Council on Education, the Center for the Study of Higher Education is organizing the presentation of two seminars on higher education research policies and procedures.

The seminars are to be presented May 25 and 28 at the University of Western Bohemia, in Pilsen, and May 28 and 29 at Comenius University in Bratislava.

Topics for discussion are: an overview of higher education in the United States, emphasizing the role of research in both historical and contemporary context; the relationship between economic development and higher education, including business and industry linkages in research; strategic planning and the development of research policy, focusing on the competitive grant process; and evaluation of research and researchers, elaborating on the role of doctoral students and responses to external pressures for accountability.

Significant themes will include issues of access and quality in U.S. higher education; the permeability of the U.S. higher education system; the tradition of the tripartite mission of teaching, research and service/outreach; and the structure and diversity of the U.S. higher education.

Four University scholars will present the seminars: **James L. Ratcliff**, center director; **Roger Geiger**, professor of higher education; **Irwin Feller**, director of the Graduate School of Public Policy and Administration, and **Michael Dooris**, senior planning analyst, Office of Planning and Analysis.

Fayette CEO

Continued from Page 1

Among his honors are teaching awards given by the McKeesport Campus and the College of Earth and Mineral Sciences and the Universitywide AMOCO Foundation Award for Outstanding Teaching.

His research focuses on Bryozoan microfossils, a marine organism. Among his publications, Dr. Simonsen is the co-author of a field guide, *Paleontology and Paleoecology of Selected Paleozoic Outcrops in Southern Pennsylvania and Western Maryland*.

Dr. Simonsen has earned bachelor's and master's degrees in education, both from Concordia University, and master's degree and D.Ed. in earth sciences from Penn State.

His professional activities include membership in the National Association of Geology Teachers, Geological Society of America, Phi Delta Kappa honorary society, Pennsylvania Academy of Sciences and the International Bryozoology Association.

More volunteers needed to help with Special Olympics Summer Games

The 1992 Summer Special Olympics Games being held at University Park will require a wide variety of volunteers, according to Linda Houtz, a secretary in the Poultry Science Department and a member of the volunteer Recruitment Committee. At least 2,500 volunteers will be needed to assist at the events being held at Pollock Commons Thursday, June 11, through closing ceremonies Sunday, June 14.

"More volunteers are needed and if we have to, we will be registering them up until June 10," she said.

Volunteers for the events are asked to escort athletes, act as ushers, provide assistance to coaches and spectators , and a host of other duties. To register as a volunteer, contact Ms. Houtz at 865-5573 or call the local office of Special Olympics at 234-8750.

Half-hour orientation sessions for volunteers will be held Thursday, June 4 and Wednesday, June 10 at 6:15 p.m. and 7 p.m. at Pollock Commons. Interested individuals also may register there.

Special Olympics Pennsylvania

Arts

Continued from Page 8

conclude with a piece that Ms. Ellis has been studying over the past ten years, the Mozart Clarinet Quintet for Clarinet and String Quartet performed with the Alard String Quartet.

The recital is free to the public.

Studio tour

Pennsylvania Centre Stage, Penn State's summer professional regional theater, is offering a free tour of the Theatre Arts Production Studio at 1 p.m. Saturday, June 13.

The production studio, located in the Academics Activities Building at University Park, houses the scene shop, the costume shop, the lighting labs and prop, scene and costume storage for Pennsylvania Centre Stage, as well as the University Resident Theatre Company.

The hour-long tour will show sets being built, costumes being constructed and the lighting lab. The lab is used by directors and lighting designers to demonstrate how a particular lighting effect will work on stage.

The tour is free, but due to limited space, registration is required. To register, call (814) 865-1871 Monday through Friday, 8 a.m. to 5 p.m. Deadline for registration is 5 p.m. Friday, June 5.

Barbershop festival

The Alexandria Harmonizers, two-time International Championship Barbershop Chorus from Alexandria, Va., will perform at 8 p.m. Saturday, June 13, in Eisenhower Auditorium at University Park.

The Harmonizers, a chorus of over 100 men, will be the major participants in the 29th annual Barbershop Harmony Festival sponsored by the Nittany Knights Barbershop Chorus of State College. The Nittany Knights Chorus, celebrating their 30th anniversary this year, also will be on the program.

A workshop on "Chorus Performance" will be held on June 13 under the auspices of the University's Continuing Education Program. Designed to appeal to barbershop singers from Central Pennsylvania and adjoining areas, the workshop will provide information and techniques for improving the quality of barbershop chorus singing in local chapters of the National Barbershop Singing Society. Information and reservations may be obtained through the Continuing Education Office, Room 409 Keller Building.

Tickets for the program in Eisenhower Auditorium are priced at $14, $10 and $6 and are available through the Eisenhower Ticket Center, telephone 863-0255.

HUB exhibit

The Very Special Arts Pennsylvania White House Exhibition will be displayed at the Hetzel Union Building at University Park June 1-21, in conjunction with the Pennsylvania Special Olympics.

Very Special Arts, an educational affiliate of the John F. Kennedy Center for the Performing Arts, and the White House Historical Association are cosponsors of the national initiative involving students across the country.

Very Special Arts of Pennsylvania provides arts programming to individuals of all ages with disabilities throughout Pennsylvania.

Crafts National 26

Crafts National 26, a juried exhibition of contemporary crafts, will be on display Sunday, June 7, through Sunday, July 26, in the Zoller Gallery at University Park.

The exhibition represents a variety of media and techniques in works of fiber, ceramics, glass, metal, wood and handmade paper by artists from around the country.

The exhibition, which is free to the public, is cosponsored by the Central Pennsylvania Festival of the Arts, the Pennsylvania Council on the Arts and Zoller Gallery, School of Visual Arts.

Zoller Gallery is located in Room 101 of the Visual Arts Building. Summer hours are 10 a.m. to 4 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Art-to-Go

A stoneware vase by Japanese artist Tatsuzo Shimaoka will be on view in the lobby of the Calder Way and Allen Street branch of Peoples National Bank in State College during June.

The vase is created in part by a traditional ceramic process known as "mishima" which results in the herringbone pattern on the surface of the vase. The pattern is created by impressing the texture of a cord onto the surface of the clay vase. The cord used in the "mishima" process is one that is created and used specifically for tying the knot on a kimono.

Tatsuzo Shimaoka is highly regarded by both Japanese and American clay artists as a master of ceramic form. As a young artist, Shimaoka was inspired by the Tea Ceremony. The simplicity and beauty of the ritual's characteristics can be found in his work.

The exhibit is part of the "Art-to-Go" exhibition sponsored by the Friends of the Palmer Museum of Art in collaboration with Peoples National Bank. Each month a different piece from the Museum's collection is on view in Peoples National Bank.

Japanese Film Festival

A summer festival of Japanese films will be held from June 14-20 featuring seven outstanding films by internationally acclaimed directors. The films depict various aspects of Japanese culture, focusing on modern-day Japan.

Presentations will begin at 7 p.m. in the Cinema Room 113 of Carnegie Building at University Park. Each film will be preceded by a brief discussion of its significance.

The Japanese Film Festival is sponsored by the Office of Summer Sessions in cooperation with the Center for East Asian Studies and the School of Communications.

June 14 — "A Taxing Woman," directed by Juzo Itami. Focusing on Japan's recent affluence which has brought phenomenal taxes, the movie details the match between Gondo, a larger-than-life scoundrel and proprietor of a chain of lucrative "adult hotels" and Ryoko, a cunning female tax agent who looks like a demure housewife but hunts down tax evaders with relentless and resourceful determination.

June 15 — "The Family Game," directed by Yoshimitsu Morita. A surprisingly cynical look at the Japanese obsession with success, the film examines traditional middle class values strained when a tutor hired to improve a son's grads disrupts the entire family's lives.

June 16 — "The Funeral," directed by Juzo Itami. A satirical look at how a modern Japanese family adjusts to a traditional Buddhist funeral. During the three-day ordeal, the family watches a videotape, the "ABCs of Funerals," the priest arrives in a Rolls Royce, the children fidget, women giggle during the sermon and a mistress shows up at an inopportune time.

June 17 — "Sorekara," directed by Yoshimitsu Morita. An ironic love story set against a Japan in the throes of modernization, the film follows a wealthy idler's unrequited love for his best friend's wife.

June 18 — "Beijing Watermelon," directed by Nobuhiko Obayashi. A comedy with an underlying kick of cultural insight, the movie is a fact-based account of a greengrocer whose prosperity is disrupted when he meets Chinese students subsisting on starvation-level allowances while studying in Japan.

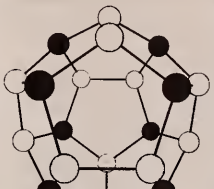
June 19 — "Samurai, Part 2: Duel at Ichijoji Temple," directed by Hiroshi Inagaki. Second in the trilogy depicting the legend of master swordsman Miyamoto Musashi shows a mature and skilled swordsman wandering through Japan searching for the spiritual strength to accompany his swordsmanship.

June 20 — "Samurai, Part 3: Duel on Ganryu Island," directed by Hiroshi Inagaki. Third and last of the Samurai trilogy, master swordsman Miyamoto Musashi is challenged by an old rival to a final duel on Ganryu Island.

Focus on Research

DISCOVERING a MOLECULE

"We have definitely produced a very unique, very stable molecule comprised of 8 titanium and 12 carbon atoms."



A team of University chemists has provided the first evidence of a new breed of molecules that are likely to have unique electronic, magnetic and catalytic properties.

"We have definitely produced a very unique, very stable molecule comprised of 8 titanium and 12 carbon atoms," said **A. Welford Castleman** Jr., Evan Pugh professor of chemistry. "We think it looks like a hollow ball made of 12 sections shaped like pentagons and arranged in a rounded cage-like structure, although a puckered-ball shape is a viable alternative."

The team, led by Dr. Castleman, has nicknamed the new metallo-carbohedrene molecules "Met-Cars."

"If this discovery stands up to scientific scrutiny, it could herald a new generation of nanophase materials for use in quantum electronic devices, computer information storage, pollution control technologies, and as catalysts for new fuels," said Gregory Geoffroy, professor of chemistry and dean of the Eberly College of Science.

Dr. Castleman and postdoctoral research associate Baochuan Guo discovered the Met-Car molecule with help from **Kevin P. Kerns**, a graduate student. Experiments confirming the discovery were made by postdoctoral research associate **Shiqing Wei** and graduate student **Jeff Purnell**.

"A cage-like structure in a ball shape would give this Met-Car molecule some very exciting and unique properties," Dr. Castleman said.

A drawing of the Met-Car molecule has some resemblance to the structure of a fullerene, which has been designated "molecule of the year" by the journal *Science*.

But Dr. Castleman noted, "The only real resemblance of our molecule to the fullerenes is that it contains some carbon atoms and we think it is ball-like in shape.

Unlike fullerenes, the new molecule contains a transition metal and, if the molecule is cage-like, its atoms probably share their electrons in what scientists call a "delocalized electron structure." Special electronic structures are the source of the magnetic properties of iron magnets and the electrical properties of copper wire.

"With transition metals, the electron bonding is different from anything you could get out of carbon-like atoms alone," said Dr. Castleman.

Like an Olympic team training for a gold medal, the lab has been working around the clock, sometimes in non-stop 40-hour shifts, in pursuit of the molecule's true shape.

Dr. Castleman and his students first [illegible] something earlier in December when they were working on an experiment involving the reaction of metal atoms and ions with organic molecules, some of which led to the formation of polymers.

Baochuan Guo, postdoctoral research associate, and A. Welford Castleman Jr., Evan Pugh professor of chemistry, look over a model of the molecule. (Photo: Greg Grieco)

"We started seeing what we call 'magic peaks' coming out of our mass spectrometer," he said.

A mass spectrometer identifies a material by measuring the collective mass of its constituent atoms. The machine prints out a graph that looks like the silhouette of a mountain range, indicating the abundance of different atoms by variations in the height of the mountain peaks. A magic peak looks like a single, dramatically tall mountain surrounded by tiny little hills.

"The location of the magic peak on the graph indicated we were making many copies of a molecule containing titanium and carbon atoms," Dr. Castleman said. "This is a molecule we had never seen before."

Unable to figure out the significance of the data, he and Mr. Guo substituted other atoms for the titanium to see what would happen. They found similar magic peaks but at different locations. This seemed to suggest that each system was making a different organic polymer.

The mystery finally began to unravel when they were puzzling over some transparencies that Mr. Guo had made of the magic peaks.

"When we stacked the transparencies on top of one another, I was struck by a familiar pattern," Dr. Castleman said.

Last spring, his lab had determined the structure of an unusual water cluster containing 20 molecules. They proved it was shaped like a ball with 12 five-sided faces and that it had 8 unique locations for certain atoms.

When Dr. Castleman noticed that the magic peak of this water cluster resembled the magic peak pattern made by the stacked transparencies, he began to suspect that he had discovered a 20-atom ball containing 12 carbons plus 8 titaniums.

To test his hunch, he and his team decided to cluster the molecule with ammonia, which interacts strongly with titanium but not with carbon. They found that "exactly 8 ammonia molecules stuck to the cluster, suggesting that exactly 8 titanium atoms had captured the ammonia and, moreover, that each titanium was on an exposed surface where such addition reactions can occur."

"We decided to do a final test by substituting one carbon-13 atom for every regular carbon atom," Dr. Castleman said.

Carbon-13 is one unit heavier than regular carbon. "When we saw that the mass of the molecule containing the carbon-13 atoms was increased by exactly 12, we were then 100 percent sure that there were exactly 12 carbons in our original molecule," he added.

In order to confirm his hunch about the new molecule's shape, the researcher said the team will "perform spectroscopic experiments and make larger quantities for other analyses."

In the meantime, he has offered a reward to anyone in his lab who can think of a viable alternative explanation for the findings. So far there have been no takers.

– **Barbara K. Kennedy**

Private Giving

New program to gauge ability to secure future funds

University fund raisers are launching a major new program aimed at accurately measuring the University's capacity to secure private support in the years ahead, the Board of Trustees has learned.

The Leadership Evaluation and Assessment Program (LEAP) will identify the top five percent of alumni and friends across the nation in terms of volunteer leadership and philanthropic potential, according to a report by Trustee **Quentin Wood**, who is the board's liaison with the National Development Council, Penn State's highest level fund-raising advisory body.

"LEAP has important implications for Penn State's future because it will give us a comprehensive and systematic way to find the best leaders for fund-raising campaigns," Mr. Wood said. "Its results will form the basis for determining the feasibility of funding University priorities for years to come."

He noted that private gifts are a significant source of support for Penn State. As of April 30, 10 months through the fiscal year, the University had received about $51.9 million in gifts, which is $300,000 ahead of last year's pace.

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Staff from the Division of Development and University Relations under Senior Vice President **G. David Gearhart** will hold meetings in as many as 50 cities nationwide at which alumni will be asked to rate the leadership and philanthropic capacities of those they know well.

This information will help the University to:

- increase awareness among alumni and friends of the need for private gift support;
- select volunteers who would lead future fund-raising campaigns;
- give current volunteers additional opportunities for involvement in fund-raising activities;
- identify more benefactors capable of making gifts of $50,000 or more;
- improve the accuracy of information about alumni.

William Weiss, a University graduate and chairman and chief executive officer of Chicago-based Ameritech, is heading a National Development Council committee that is providing leadership for LEAP.

Mr. Weiss has served as a member of the Executive Committee of the Campaign for Penn State. He is a Distinguished Alumnus of the University, and he and his wife established the Josephine B. Weiss professorship in the College of the Liberal Arts and the William L. Weiss Endowment Fellowship in the College of Engineering.

Conservancy pledges $34,040 for corridor study

The ClearWater Conservancy, has announced a pledge of $34,040 to sponsor the Spring Creek Corridor Study by the Department of Landscape Architecture.

Neil Korostoff, assistant professor of landscape architecture, will manage the study with faculty members **Tom Yahner**, **Tim Johnson** and **Mark Battaglia**.

"Every recent study of Spring Creek and its watershed tended to have a fairly specific and narrow goal such as fish carrying capacity or waste water capacity," **Donald Hamer**, president of the ClearWater Conservancy, said. "These studies produce valuable information, but none takes an overall broad and balanced interpretive position. All tend to ignore historic, scenic and cultural values.

"We will, in this study, tie together all of the many previous studies and the reams of information already available, and also address the highly subjective but equally important aesthetic and cultural values that need to be preserved."

The Spring Creek Corridor runs through some of the most intensive actual and projected land development in the area.

"The Conservancy wants to protect and enhance the natural, scenic and historic resources along Spring Creek through a planned program of cooperative arrangements with local landowners and local governments," Mr. Hammer added.

During this phase of the study, according to Professor Korostoff, the Department of Landscape Architecture will compile a comprehensive inventory and analysis of the natural, historic and scenic resources of the Spring Creek Corridor and Watershed.

Mr. Hamer stressed that public input is critical to the project. "The public will share a continuing role in this study. We'll seek information from the community and share the results with the municipalities through which Spring Creek flows."

The Penn State study team has previous experience with similar complex conservation projects for the Appalachian Trail Conference, the National Park Service and the Pennsylvania DER Scenic Rivers Program.

Personal computer company donates equipment to two colleges

The Hewlett Packard Co., one of the nation's largest manufacturers of personal computers, printers and health care equipment, has made grants of equipment worth nearly $192,000 to two Penn State colleges.

The first includes equipment for the Department of Anesthesia in the College of Medicine. The equipment, valued at $100,000, will be used to train students at an anesthesia station in a simulated operating room. The equipment includes monitors, defibrillators, gas monitors and computers, according to **Wayne K. Marshall**, associate professor of anesthesia.

The second grant, valued at $91,978, will be used for instructional purposes in the College of Engineering's Graduate Program in Acoustics. According to **Jiri Tichy**, United Technologies Corp. professor of architectural engineering and acoustics and chairman of the Graduate Program in Acoustics, the sound and vibration analyzers in Hewlett-Packard's gift are very sophisticated, and will allow the program to offer instruction on state of the art tools.

The grant follows one of nearly $250,000 made by the company to five University programs last year, bringing the two-year total to nearly $442,000.

Engineering receives compression device

Hydro-Pac Inc. of Fairview, Pa. has given a $71,000 high-pressure gas intensifier to the College of Engineering High Pressure Combustion Laboratory in conjunction with a Ben Franklin Partnership grant.

The 6,000 psi hydraulically-driven gas intensifier was developed in response to the U.S. Navy's need for a reliable high pressure air compressor for both surface ships and submarines, according to **John G. Siefert**, Hydro-Pac project manager.

Wen H. Hsieh, assistant professor of mechanical engineering, studied the compression process of the device to establish endurance characteristics of that style of compressor.

"The collaboration was a very successful one for us," Mr. Siefert said. "We are able to demonstrate the technology to the U.S. Navy through Dr. Hsieh's work, eventually leading to a Navy contract."

Hydro-Pac designs and manufactures pumps and compressors capable of achieving very high pressures for a variety of industrial applications.

Proposals sought for funding undergraduate instruction

One-page proposals are being solicited for the Fund for the Improvement of Undergraduate Instruction, and for the Penn State Fund for Undergraduate Education.

The purpose of both funds is to enrich undergraduate instruction by supporting resources, materials and events for individual course enhancement, which for budgetary reasons could not otherwise be included. Several awards in the range of $100 to $1,000 will be made for the 1992 summer and fall semesters.

Deadline for submission has been extended to Friday, June 5. Proposals, which will be reviewed by a faculty selection committee, should be submitted to **James M. Rambeau**, associate dean for undergraduate education, 207 Old Main.

Courses eligible for award are summer courses, including experimental courses, and fall/spring courses — both new and existing — that are being planned this summer. Faculty eligible to receive funds include all continuing, fixed-term 1 appointments and tenure-track faculty.

The activities covered by these funds may range from films, guest speakers, material duplication, field trips, videos, and in-class telephone interviews, but are not limited to these examples. Preference will be given to pilot or prototype activities which might lead to future funding from within the unit. Funding announcements will be made by June 26.

For more information about the funds or for an application, contact **Brenda Homan** at 863-7035.

Open house May 30 of Breazeale Nuclear Reactor

The Penn State Breazeale Nuclear Reactor, located on Hastings Road between University Drive and Bigler Road at University Park, will be operating during the facility's open house from 10 a.m. to 2 p.m. Saturday, May 30.

The Open House includes informal, self-paced tours of the reactor, the Radiation Science and Engineering Center which houses it, and various displays.

Radon, radiation in our environment, computer simulations of the reactor, nuclear electricity in the United States and the world, and current research are some of the topics covered in the displays, according to **Candace Davison**, open house coordinator.

The Breazeale Reactor, designated a Nuclear Historic Landmark, is the oldest, continuously operating university research reactor in the United States. It began operating Aug. 15, 1955 when U.S. President Dwight D. Eisenhower pushed the start-up button. The first reactor to be licensed by the Atomic Energy Commission, it holds License R-2, now valid until 2006.

The event is free to the public.

Promotions

Staff Exempt

Elizabeth E. Arnold, to clinician nurse educator at Hershey.
Margaret M. Bradley, to senior data manager at Hershey.
Edward C. De Brasky, to coordinator facilities resources-management in Office of Physical Plant.
Carolyn H. Gilles, to assistant extension agent in Agriculture.
Sandra L. Grenci, to events and publications assistant in Earth and Mineral Science.
Richard L. Iddings, to janitor foreman in Office of Physical Plant.
Nancy J. Karlik, to director, Harrisburg Center at Penn State Harrisburg.
Jeffrey R. Kaufhold, to coordinator night pharmacy services at Hershey.
Kimberely A. Ripka, to administrative aide in Engineering.
Linda L. Rose, to administrative aide in Engineering.
Michele R. Sturniolo, to administrative assistant at Hershey.
Donna J. Wachter, to hospital charge master coordinator at Hershey.
Steven J. Winter, to research support assistant at Hershey.
Donna J. Zinn, to nursing education instructor at Hershey.

Staff Nonexempt

Sandra J. Allison, to psychiatrist assistant at Hershey.
Joan E. Koons, to psychiatrist assistant at Hershey.
Julia T. Lefever, to staff nurse/nurse clinician at Hershey.
Kristen D. Moyer, to staff nurse/nurse clinician at Hershey.
Christopher T. Pfeiffer, to cataloging assistant in University Libraries.
Bonnie S. Ritchey, to staff nurse/nurse clinician at Hershey.
Janice R. Seaman, to staff nurse/nurse clinician at Hershey.
Jeffrey L. Spotts, to research technician at Hershey.

Clerical

Evelyn H. Connor, to secretary B in Business Administration.
Robin A. De Nardo, to secretary C in Continuing Education.
Roxanne M. Hiller, to senior medical transcriptionist at Hershey.
Ann M. Kirsch, to secretary A at Penn State Harrisburg.
Darl L. Merritt, to secretary C in Science.
Linda J. Soltis, to clerk, analysis A in Undergraduate Education.
Victoria G. Sprenkle, to secretary B at Mont Alto.
Michelle L. Stem, to secretary B in Engineering.

Technical Service

Carey L. Brandt, to painter maintenance worker at Hershey.
Kimberly L. Harman, to operating room assistant at Hershey.
Jack E. Korman, to maintenance worker utility in Office of Physical Plant.
Judit Mihalovits, to operating room assistant at Hershey.
Cynthia A. Miller, to purchasing clerk in Housing and Food Services.
Tammi J. Moeller, to environmental health worker group leader at Hershey.
Ronald Popp, to carpenter, B at Hershey.
Vaughn A. Roy, to elevator technician in Office of Physical Plant.
Gerald W. Shirk, to special relief utility operator in Agriculture.
George A. Shouey, to refuse collector in Office of Physical Plant.
Arlin W. Simmers, to central processing aide at Hershey.
Hope L. Spangler, to central processing aide at Hershey.

Obituaries

Harriet J. Rudolph, assistant professor of speech communication at the Penn State Hazleton Campus, died May 6. She was 68.

A graduate of Ohio State University with B.Sc. and M.T. degrees, she received M.S. and Ph.D. degrees in rhetoric and public address from the University of Arkansas.

She joined the Hazleton Campus in 1977 as assistant professor of speech communication and theater. In addition to teaching courses in public speaking, group discussion and rhetorical criticism, she supervised honors students in theater, and organized Readers' Theater presentations.

In 1990 she received the Carroll C. Arnold Distinguished Service Award of the Speech Communication Association of Pennsylvania.

William R. Smiles, inspector, Office of Physical Plant, from Jan. 1, 1954, until his retirement Nov. 1, 1973, died April 16 at the age of 83.

Kathryn B. DeBoer, retired associate professor of speech communication, died April 26 at the age of 73.

She was a graduate of Syracuse University with a bachelor's degree in speech. She received her master's degree in speech from Cornell University and her doctorate in speech from the University of Denver.

She joined the University faculty Sept. 1, 1958, and retired June 30, 1983.

In 1979 she was named outstanding faculty adviser in the College of the Liberal Arts and an outstanding teaching award was named in her honor.

Alice Elizabeth Warne Stout, retired senior research associate in The Smeal College of Business Administration, died April 14 at the age of 75.

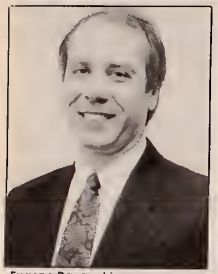
A graduate of Barnard College in New York City with a bachelor's degree in English literature, she received a master's degree in economics from Penn State.

She was an editor for Prentiss Hall Publishers, New York City, until she joined the University staff in 1948 as an editor at the Pennsylvania Business Survey. She retired in 1982.

Patricia A. Kelley, retired associate State 4-H Program director, died March 2 at the age of 66.

A native of the Pittsburgh area, she received her B.S. at Carnegie Mellon University, and a Master of Education at Springfield College, MA. She joined the University staff in 1947 and retired April 1, 1983. Contributions may be made to the Pennsylvania Friends of 4-H Enhancement Fund.

Appointments



Eugene Danawski

Baruch Halpern

Eugene Danowski, senior financial officer at the Penn State Wilkes-Barre Campus, has been named director of business services and finance. He will assume all the responsibilities of business services, which include building and grounds maintenance, security, and accounts receivable and payable.

Mr. Danowski, who joined the University staff in 1987, will continue to serve as senior financial officer, with responsibility for campus budgeting activities, disbursement of funds, income forecasting and cash collections, including student tuition.

He previously served as business manager for the Geisinger Medical Group in Wilkes-Barre, and for the Department of Public Welfare at the Nanticoke State General Hospital.

Mr. Danowski has a B.S. in accounting from Bloomsburg University, and a master of business administration degree from the University of Scranton.

Baruch Halpern, professor of humanities at York University, Toronto, has been named the first appointee to the faculty chair in Jewish Studies in the College of the Liberal Arts. His appointment, effective July 1, also includes the title of professor of ancient history and religious studies.

Dr. Halpern is internationally recognized for the breadth of his scholarship in Jewish culture and has interests in history, linguistics, archaeology, philosophy, languages and literature. He has been on the York University faculty since 1976.

The chair in Jewish Studies was established recently with gifts and pledges totaling more than $1 million from about 250 individuals and foundations in the mid-Atlantic region. A committee of 15 Penn State alumni led the fund-raising campaign. Income from the endowment will support Halpern's work.

Dr. Halpern is president of the American Schools of Oriental Research in Canada and has authored three books: *The Constitution of the Monarchy in Israel* (1981), *The Emergence of Israel in Canaan* (1983) and *The First Historians, The Hebrew Bible and History* (1988). He also has edited *Law and Ideology in Monarchic Israel* (1991) and *Law, Politics and Society in the Ancient Mediterranean World*, to be published this year.

A Philadelphia native, he received a Ph.D. from Harvard University in Near Eastern languages and literature in 1978. He earned his bachelor's and master's degrees from Harvard in 1973 and 1976, respectively.

He has held visiting appointments at Hebrew University, the University of California at San Diego, and the Institute for the Study of Old Testament Theology at the University of Munchen, Germany. He has received numerous research grants and was an Alexander von Humboldt-Stiftung fellow in 1984-85 at the University of Munich and the University of Heidelberg.

He has published more than 30 scholarly articles and book chapters and has served on the editorial board of the *Hebrew Annual Review* and as editor-in-chief of the American Schools of Oriental Research dissertation series.

World premiere of PBS series at University Park

The world premiere of the Public Broadcasting System television series, "Out of the Past," will take place at University Park during Summer Sessions, June 10 through July 29.

This series of eight, hour-long episodes focuses on modern anthropological archaeology and was produced by Penn State researchers, WQED-TV Pittsburgh, and Cambridge Studios, Boston, and funded by the Annenberg/CPB Project, the Media Program of the National Endowment for the Humanities and the National Science Foundation and Penn State.

The series is scheduled to air on Public Television Stations across the country in spring 1993.

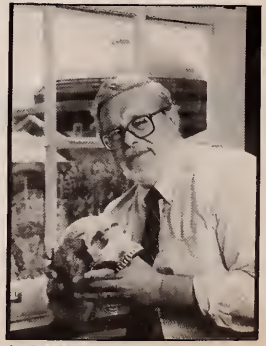
The project was directed by **William T. Sanders**, Evan Pugh professor of anthropology and **David L. Webster**, professor of anthropology, and centers on archaeological work in Honduras, Guatemala, Mexico and other sites around the world.

The first episode in the series, *New Worlds*, will be presented at 7 p.m. Wednesday, June 10, in Schwab Auditorium.

New Worlds explores the dramatic revolution in archaeology in the last 30 years, and reveals how this scientific approach to the past illuminates the present and leads to an understanding of human behavior and culture. A discussion by **Lewis R. Binford**, visiting professor of anthropology at Southern Methodist University, will follow.

Dr. Binford, a renowned archaeologist and one of those who pushed for and won the changes in archaeological practice that define modern anthropological archaeology, will discuss the *New Worlds* episode and provide first-hand personal insight into how archaeology has changed over the past 30 years.

In his early career, Dr. Binford did field work in North Carolina, Virginia, Michigan and Illinois. He has worked with faunal remains and mapping of Pech de l'Aze and Combe Grenal in Bordeaux, France and done ethnographic work with the Navajo in Arizona, the Nunamiut Eskimo in Alaska, and Alyawar in Australia. His most recent work has included a study of animal behavior in South Africa and Botswana and studies of animal remains in England, France, China and South Africa.



Lewis R. Binford

✻ Lecture Schedule ✻

Each episode in the eight-part series titled "Out of the Past" will be followed by a guest lecture presented by an eminent archaeologist. All presentations will be held in Schwab Auditorium on Wednesday evenings from 7 to 9 p.m. unless noted below.

June 17 — *The Hearth*, **William Haviland**, professor of anthropology, University of Vermont; **June 24** — *Artisans and Traders*, **Craig Morris**, head of the Anthropology Department, American Museum of Natural History, New York, N.Y.; **July 1** — *Signs and Symbols*, **Stephen Houston**, professor of anthropology, Vanderbilt University; **July 8** — *Power, Prestige, and Wealth* (121 Sparks Building), **Barbara Voorhies**, professor of anthropology, University of California at Santa Barbara;

July 15 — *Realms*; **Kenneth Hirth**, professor of anthropology, University of Kentucky; **July 22** - *The Spirit World*, (121 Sparks Building), **Elizabeth Boone**, director of Pre-Columbian Studies, Dumbarton Oaks, Washington, D.C.;

July 29 — *The Collapse*, "**William T. Sanders**, Evan Pugh professor of anthropology, Penn State, and **David Webster**, professor of anthropology, Penn State.

U.S. Road Trials to turn Altoona Campus into an Olympic Village

The 1992 United States Olympic Cycling Team of seven men and three women will be chosen during the Olympic Road Trials — 10 days of racing in the Altoona area.

From June 6 when the cyclists start rolling into town to the last race on June 21, the Altoona Campus will serve as the "Olympic Village." The United States Cycling Federation (U.S.C.F.) chose this area for the Road Trials because the terrain here is similar to that in Barcelona, Spain, where the Olympic cyclists will complete in August.

Approximately 500 cyclists from throughout the United States are expected to compete for a spot on the Olympic team. The male and female first-place winners of the Olympic Road Race on June 19, which starts and finishes at the Altoona Campus, will automatically be members of the team. The Olympic selection committee will evaluate other cyclists' performances in all four races and choose the remaining team members.

Several hundred cyclists will be staying in the residence halls and eating in Hickory Dining Hall with their friends and families. The Altoona Campus staff will serve "training table" fare—foods that are low in fat content and high in complex carbohydrates. The normal caloric intake for a cyclist training for the Olympics is 12,000 calories per day for women and 14,000 for men. **Milt Miller**, manager of the Altoona Campus Housing and Food Service, who is coordinating the switch from campus to Olympic Village, has been told to expect the 500 athletes to eat like 1,500 "normal" people.

"We'll be serving food continuously from 6 a.m. to 9 p.m. to accommodate individual training schedules," said **Lois Hampton**, assistant manager of Food Service. "But this continuous serving schedule doesn't cause us as much concern as the quantities we will need daily. During the trials, the projected quantities needed for 500 cyclists include 800 pounds of bananas and 1,500 oranges daily."

"We have a pretty good track record for being able to handle these types of events," Mr. Miller said. "It really isn't too different from feeding our students daily and catering other events on campus, which we do routinely. However, since we are also working closely with the food for the VIP tents, and the concession stand food for the spectators, these combined responsibilities make this the biggest challenge our staff has ever undertaken."

University employees from other CFS locations are helping the Altoona Campus staff. **James Bowen**, who previously worked at Altoona and is now manager of Housing and Food Services at Penn State Erie, The Behrend College, and **Jo Ann Coleman**, manager of Food Services at Penn State Harrisburg, are both working during the Olympic Trials.

"We are proud to have been chosen as the Olympic Village site," **Kjell Meling**, acting campus executive officer, said. "Our faculty and staff share in the enthusiasm of this national event. Some employees have been working since last fall organizing the Trials and many more have volunteered to assist during the races. This is not only a boost to our local economy, it is an opportunity for us to show our pride in our campus and community."

ESPN will cover the races and the selection of the Olympic Cycling Team. Highlights from the races will be aired on ESPN on July 25.

Joint agreement struck with Japanese firm

Fujita Corporation of Japan and the Department of Architectural Engineering have entered into a five-year, $200,000 joint research agreement. The cooperative research will support work to develop an integrated, fully automated building system to improve productivity in the construction industry.

Victor E. Sanvido, associate professor of architectural engineering, is the principal investigator and director of the project. Fujita Corporation is a diversified company specializing in design, construction and civil engineering with annual revenues of 600 billion yen.

A Penn State research team, headed by Dr. Sanvido, will apply Computer Integrated Construction (CIC) techniques to develop production systems covering all aspects of building, including planning, construction techniques and site management. Dr. Sanvido plans to create a framework to support an integrated approach to developing new software and techniques as well as networking existing computer programs applicable to construction activities.

"CIC is a considered a basic concept for a fully automated building construction system, which many large Japanese general contractors are competing to develop," Dr. Sanvido said.

The five-year grant provides matching funds for the National Science Foundation Presidential Young Investigator Award that Dr. Sanvido received in 1990. The PYI Awards provide up to $500,000 in research funding over five years and are awarded to outstanding faculty members near the beginning of their careers.

Travel

Continued from Page 1

The largest components of the $24 million total included air/rail, 31.6 percent; lodging, 31 percent; meals, 12.1 percent; personal car, 8.2 percent; fleet, 4.5 percent, and rental car, 2.1 percent.

Keeping current fiscal constraints in mind, the travel policies also will be managed to emphasize convenience and service for University travellers. In general, travellers are expected to use contracted agencies but exceptions will be considered through a new Joint Faculty/Administrative Advisory Committee to Monitor the Travel Program.

In addition, to meet federal guidelines for the use of federal funds, the University needs to have a systemwide program for monitoring air/rail and other travel costs.

The recommendations include:

— Selection of contracted travel agents. All travel agents in State College will be invited to submit a proposal to become contracted travel agents for the University. The selected agencies need to demonstrate their ability to serve the University efficiently and economically and to have the basic equipment necessary to meet the University's travel needs.

Other travel agencies in the commonwealth may submit a proposal for possible designation, particularly those serving University travellers outside University Park and Hershey Medical Center.

Travellers at locations other than University Park and Hershey Medical Center will have the option of choosing contracted agencies in their own location or University Park. If the location has no contracted agency, the travellers may continue to go to an agency of their choice. In the case of federally funded travel, however, they will need to use a contracted agency.

"The two currently preferred agencies handled nearly 50 percent of the total air/rail fare business during a three-month sample period," Mr. Wagner noted.

"All other Big Ten Universities have a travel policy that includes a system of contracted travel agents," he added.

The major requirements to be designated as a contracted agency include: the offering of lowest available air/rail fare guarantee, also applied to lodging, car rentals and other aspects of travel arrangements; an automated reservation and "back-office" system for auditing, and agreement to commission sharing.

The commissions will be based on a sliding scale based on the total volume of University business done by a travel agency. This is designed to encourage and facilitate participation by the smaller agencies.

The University's share of these commissions will be returned annually to the individual units that initiate the travel. The unit heads will work to devise a method for dispensing these funds.

— Direct billing. The University will work to develop a program that allows hotel bills and rental cars to be directly billed to the University, rather than by use of an American Express Corporate Card or by personal funds. Currently, only airline and rail tickets can be charged directly to the University.

— Hotel reservations and car rentals. The committee recommends that contracted travel agents be encouraged to handle these services for their University clients and to negotiate the best rates possible. The Travel Services Office should pursue "block booking" contracts with hotels in major cities, where possible.

— A Joint Faculty/Administrative Advisory Committee to Monitor the Travel Program will be formed. Its responsibilities include advising on ways to publicize the developing travel program within the University; receive and resolve unresolved complaints from both University travellers and from those who administer the programs.

The Travel Services Office provides services not duplicated elsewhere in the University system: negotiation and administration of all travel-related contracts and agreements; administration of American Express Corporate Card Program; liaison between University faculty and staff and contracted travel agencies; travel management reports; rate negotiation for individual and group travel, and direct billing of airline and railroad tickets.

In the future, the TSO will not be involved in auditing University travel, a service that will be transferred to the University's general auditing operations.

"The committee worked extremely hard to devise recommendations that provide a flexible plan for maximum travel freedom while pursuing overall economic efficiency, particularly in a time of limited funds," Dr. Klein said.

Awards

Three engineering faculty identified for work of "unparalleled quality" in teaching and research

Three College of Engineering faculty members have received 1992 Penn State Engineering Society Premier Research and Premier Teaching Awards.

Thomas A. Litzinger, associate professor of mechanical engineering, and **Robert G. Melton**, associate professor of aerospace engineering, both received Premier Teaching Awards. **Gary S. Settles**, professor of mechanical engineering and director of the Gas Dynamics Laboratory, received the Premier Research Award.

The awards, sponsored by the Penn State Engineering Society (PSES) and the College of Engineering, are presented annually to faculty members whose contributions to teaching or research are "of unparalleled quality." All are earlier recipients of PSES Outstanding Faculty Awards.

Dr. Litzinger, an innovative teacher whose activities range from elementary school to graduate advising, has been a co-organizer of the College of Engineering's innovative Teaching Internship Program since its inception. He also is actively involved in the Engineering Coalition of Schools for Excellence in Education and Leadership.

In the classroom and laboratory, Dr. Litzinger has developed software to demonstrate thermodynamic properties and model engine performance. An active researcher in chemically reacting flows and combustion processes, he makes an effort to introduce undergraduates to research careers by including them in his research program as well as organizing meetings of faculty and Ph.D. students to discuss academic careers.

Dr. Litzinger received a bachelor's degree from Penn State in nuclear engineering and a master's degree in mechanical engineering from Rensselaer Polytechnic. He received a Ph.D. in mechanical and aerospace engineering from Princeton University.

Dr. Melton, who joined the engineering faculty in 1982, has developed or revised six courses in the Department of Aerospace Engineering. He also assumed a leadership role in establishing the first departmental computer-aided design lab and continues to assist in the maintenance of the lab's hardware and software setups.

Dr. Melton is an active researcher in space-related areas and carries that enthusiasm into the classroom. He has organized four courses relating to spacecraft design, one of which is directed toward non-technical majors.

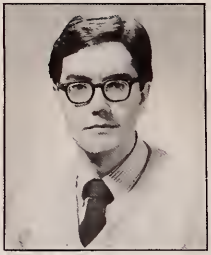
Dr. Melton earned a bachelor's from Wake Forest University and a master's from the University of Virginia, both in physics. He received a Ph.D. in engineering physics from the University of Virginia.

Dr. Settles is an international expert in experimental gas dynamics, particularly in shock wave/turbulent boundary layer interaction. His published work in this area has led to a complete understanding of several classes of three-dimensional separated flow problems and had a significant impact on the NASA computational fluid dynamics program.

He founded and directs the Gas Dynamics Lab which has established an international reputation in high-speed dynamics research. He also is well known for his use of color schlieren photography to produce striking images of normally invisible phenomena.

Dr. Settles, who joined Penn State in 1983, received his bachelor's in mechanical and aerospace engineering from the University of Tennessee and his Ph.D. in aerospace and mechanical sciences from Princeton University.

Thomas A. Litzinger


Robert G. Melton

Gary S. Settles

Award bestowed on Asian-American professor

Parris H. Chang, professor of political science and director of the Center for East Asian Studies at Penn State, was one of four Asian-Americans to receive the prestigious Asian Pacific American Heritage Council Outstanding Asian Pacific American Award.

The APAHC, based in Washington, D.C., represents Asian-Americans throughout the United States. The awards are given annually to recognize those who make outstanding contributions to the Asian-American community and the United States as a whole. Effectiveness, influence and prestige are among the criteria used to select recipients.

Other award recipients were **Winston H. Chen**, chairman of Solectron Corporation in Silicon Valley, the only Asian-American CEO to accompany President Bush to Asia earlier this year; Major Gen. **John L. Fugh**, a Chinese-American who is the U.S. Army's Judge Advocate General; and Grand Master **Jhoon Rhee**, a world-renowned 10th degree black belt and founder of the Tae Kwon Do training schools.

Development honor shared by two

Anthony Gronowicz, assistant professor of history at the Penn State Hazleton Campus, and **Christine White**, assistant professor of history, have been named co-recipients of the 1992 Kent Forster Memorial Junior Faculty Development Award.

The annual award, instituted in 1981, is made to junior faculty of the Department of History who have demonstrated outstanding teaching ability and is intended to assist in their research efforts.

Dr. White's award will support a project on women in Russian and Soviet aviation, 1910-1930. Dr. Gronowicz is completing a book-length study on "Democratic `Republicanism' and the Laboring Classes: The Politics of Class and Race in New York City."

Penn State Erie - The Behrend College

Award recipient for second time

For the second time in three years, Penn State Erie, The Behrend College, has won the National Association for Campus Activities (NACA) Distinguished Lecture Program Award.

Penn State-Behrend's most recent honor is for its 1990-91 Speaker Series, themed "Shaping the Future: Taking Responsibility in the 1990s." Among the ten programs included in the series were lectures by newspaper columnists William Raspberry and Jack Anderson, former Secretary of Defense Frank Carlucci, and former mayor of San Antonio Henry Cisneros.

Awards

Assistant professor of chemistry garners honors

Patricia A. Bianconi, assistant professor of chemistry in the Eberly College of Science, is one of 13 young faculty members nationwide to receive a Dreyfus Teacher/Scholar Award and one of 12 faculty members throughout the country to be honored as a 1992 Beckman Young Investigator.

"The research of Dr. Bianconi and her students is on the forefront of materials science," Barbara Garrison, professor and head of the Department of Chemistry, said. "The recognition by the Dreyfus and Beckman foundations is extremely well deserved."

Considered one of the most prestigious prizes in its field, the Dreyfus Teacher/Scholar Award is designed to acknowledge the accomplishments and continuing promise of young faculty members in the early stages of their professional careers. The award recognizes outstanding ability as a chemical educator and researcher and consists of a $50,000 grant administered by the Camille and Henry Dreyfus Foundation.

The Beckman Young Investigator award, which is in its second year of existence, is intended to promote research in chemistry and the life sciences and to foster the invention of methods, instruments, and materials that will open new avenues of research in science. The award is funded by the Arnold and Mabel Beckman Foundation and is presented to principal investigators who have completed no more than three years of their initial appointment as an independent researcher at a nonprofit institution. As one of this year's winners, Dr. Bianconi will receive a grant of $175,000 over a two-year period.

Dr. Bianconi, a specialist in inorganic chemistry, said she will use both awards to perfect a process for creating synthetic materials that mimic the qualities of teeth and bones. She already is the first scientist to have developed a material that, like bone, has crystals of a similar size and shape that are all oriented in the same direction, but she says that she and her research team are still years away from creating a substance that can actually replace what nature provides.

"Real bone is much more complex than the material we have produced," she says. "Now that we have a method that we know works in a simple material, we plan to see if we can synthesize the very complicated structure of bone."

Dr. Bianconi's work has potential applications in magnetic materials and fiber optics and also could lead to the development of improved synthetic bones, teeth, and prostheses.

A 1979 graduate of Yale University with a bachelor's degree in chemistry, Dr. Bianconi earned a master's degree at Columbia University in 1981 and a doctoral degree at Massachusetts Institute of Technology in 1986. Before joining the University faculty in 1988, she was a postdoctoral Fellow in the Organic Chemistry Research and Development Department at AT&T Bell Laboratories.

Dr. Bianconi, who received an undergraduate Summer Research Fellowship from the Dreyfus Foundation in 1977, was honored with the Excellence in Teaching Award at Columbia University in 1982.

Patricia A. Bianconi

Penn State Harrisburg

Assistant professor receives Lindbergh grant for research

Samuel A. McClintock, assistant professor of engineering at Penn State Harrisburg, has received a grant of $10,580 from the Charles A. Lindbergh Fund for his work in "Diversion Wells for Treatment of Acidic Streams—Offsetting the Effects of Acid Inputs from Acid Mine Drainage and Acid Rain."

He is one of 10 grant recipients for 1992, selected from a pool of 225 applicants. Earlier it was announced that another University researcher, Hector E. Flores, associate professor of plant pathology and biotechnology, had received a Lindbergh Fund grant.

Dr. McClintock's project comes in response to the growing number of Pennsylvania streams which currently are impacted by acid mine drainage. In an attempt to produce healthier waterways which foster life, his work will seek to increase the alkalinity and pH of acid-damaged streams through low-cost method of diversion wells.

The Lindbergh Fund was established in 1976 to promote the concept of balance between technological growth and preservation of the human and natural environment. The amount of the grants are equivalent to the original cost of the Spirit of St. Louis, the airplane in which Lindbergh flew non-stop across the Atlantic Ocean.

Samuel A. McClintock

Stipend given to language professor

Alegria Bendelac, professor of French and Spanish at the Penn State Schuylkill Campus, has received a 1992 Summer Stipend from the National Endowment for the Humanities (NEH).

Dr. Bendelac said the NEH grant will allow her to devote the summer to finishing her third, and most comprehensive book—a Dictionary of Jaquetia with up to 25,000 entries and between 900 and 1,000 pages.

Since 1983, she has been involved with the collection of oral and written data on Jaquetia, the dialect of the Jewish communities of Northern Morocco and a mixture of old Spanish, Hebrew and Arabic languages.

The finished dictionary, Dr. Bendelac said, will be divided into two translations—from Jaquetic into Spanish, and from Spanish into Jaquetic.

Schuylkill Campus

Four faculty members recognized for work

Four Penn State Schuylkill Campus faculty members have been recognized for teaching, research, scholarship, advising and service during the 1991-92 academic year.

Arthur Marsicano, professor of engineering, and Stephen Couch, associate professor of sociology, were dual recipients of the Schuylkill Campus Faculty Research/Scholarship Award, as selected by the joint membership of the campus' Faculty Affairs and Research committees. The award recognizes and encourages excellence in academic research, creative activity, scholarship and the mastery of subject matter.

Dr. Couch also received the 1991-92 Schuylkill Campus Teaching Award. The award, which is voted on by the members of the Faculty Affairs Committee, recognizes and encourages excellence in teaching at the campus.

Franklin P. Platts, assistant professor of engineering, received the 1991-92 Schuylkill Campus Award for Outstanding Advising, as chosen by the Academic Affairs Committee.

Athletic Director Mark Abel was chosen by students as the recipient of the 1991-92 Student Government Association Faculty Service Award.

Penn Staters

Estela M. Bensimon, assistant professor of education, and **William Tierney**, associate professor of education, have received $240,000 from the Lilly Endowment and TIAA-CREFF to conduct a two-year ethnographic study of faculty socialization and peer review. The study will involve a national sample of colleges and universities and will pay particular attention to the development of strategies that will increase the retention of minority and women faculty.

Carole Brandt, professor and head of the Department of Theatre Arts, has been named a Fellow of the American Theatre. She was one of seven distinguished artists from the professional and educational theater community inducted into the prestigious College of Fellows.

Lois M. Campbell, assistant professor of education, has received the Outstanding Dissertation Award in the Department of Curriculum and Instruction and the School of Education Outstanding Dissertation Award at Purdue University.

Peter S. Cookson, associate professor of adult education and instructional systems, has been appointed by the Council for International Exchange of Scholars to a three-year term as a member of the Area Advisory Committee for Latin America: Andean countries/Central America.

Samuel Curtis, northeast regional director, has received the Pennsylvania FFA Association's Blue and Gold Award for long-term service and contributions to the association.

Stanley Curtis, professor and head of dairy and animal science, has been elected vice chairman of the executive committee of the American Association for Accreditation of Laboratory Animal Care.

Renata S. Engel, assistant professor of engineering graphics and engineering science and mechanics, has been selected to receive the 1992 Dow Outstanding Young Faculty Award.

Tse-yun Feng, Penn State Binder professor of computer engineering, has received the Outstanding Contribution Award and the Technical Achievement Award from the Institute of Electrical and Electronics Engineers Computer Society.

Marilyn Furry, assistant professor of agricultural and extension education, has been elected to a two-year term as secretary of the Association for Financial Counseling and Planning Education.

Randall M. German, holder of the Brush Chair in Materials and professor of engineering science and mechanics, has received a 1992 Award of Distinction from San Jose State University.

Four University faculty members were among the founding fellows of the American Institute of Medical and Biological Engineering. They are **David B. Geselowitz**, Distinguished Alumni Professor of bioengineering and professor of medicine; **K. Kirk Shung**, professor of bioengineering; **Arthur E. Humphrey**, professor of chemical engineering and head of the Biotechnology Institute, and **William S. Pierce**, Evan Pugh professor of surgery, Jane A. Getter professor of surgery, and chief, Division of Cardiothoracic Surgery, Hershey Medical Center.

David Hall, instructor in agricultural and extension education, has been elected treasurer of the American Association for Agricultural Education.

John J. Henry, professor of mechanical engineering and director of the Pennsylvania Transportation Institute, has been elected to a four-year term as chair of Technical Committee 1 on Surface Characteristics of the Permanent International Association of Road Congress.

Harold R. Jacobs, professor and head of mechanical engineering, received an Outstanding Mechanical Engineering Alumnus Award from Ohio State University in recognition of his contributions in heat transfer and expertise in oil shale processing and geothermal energy conservation.

Howard G. Knuttgen, director of the Center for Sports Medicine, presented a lecture on "Strength and Power Training for Sports Performance" at the Asian Congress on Sports Medicine in Hong Kong.

Manfred Kruger, professor of food science, has been appointed to an advisory group to the National Research Council's Board on Science and Technology for International Development. The group will be instrumental in producing a report on the applications of biotechnology to traditional fermented foods.

Harvey Manbeck, professor of agricultural engineering, has been elected technical director of the structures and environment division of the American Society of Agricultural Engineers. He will begin his two-year term in July 1993.

Russell Messier, acting director of the Materials Research Laboratory and professor of engineering science and mechanics, has been selected to join the International Advisory Committee of Topical Symposium II, "New Diamond and Diamond-Like Films" to be held in Florence, Italy, in June 1994.

F. Willard Miller, professor of geography and associate dean for resident instruction, emeritus, College of Earth and Mineral Sciences, has received an Appreciation Award from the Pennsylvania Academy of Science for his editorial work on the book publishing program of the Academy.

H. Louis Moore, professor of agricultural economics, has received the Atlantic Breeders Cooperative Annual Educator's Award, which recognizes significant contributions to farm families and the dairy industry.

Carlo G. Pantano, professor of materials science and engineering, presented an invited paper, "Effects of Glass Surface Chemistry in Polymer Adhesion and Adsorption," to the Royal Society of Chemistry in Manchester, England.

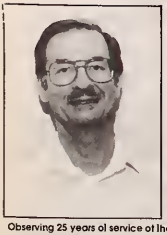
Daniel Nadenicek, assistant professor of landscape architecture, has been appointed to a six-year term on the advisory board of the Clearing Institute, a "school of discovery in the arts, nature and humanities" founded by the noted landscape architect Jens Jensen.

Gerhard F. Strasser, associate professor of German and comparative literature, presented a paper (in German) on "The Significance of the Vernacular in Relationships to a Universal Language in the Works of Johann Amos Comenius" at the International Scientific Conference on "Comenius' Heritage and the Education of Man for the 21st Century" in Prague, Czechoslovakia.

Leonard Waks, professor of science, technology and society in the College of Engineering, delivered an invited lecture at the Science and Technology Studies in Research and Education International Conference in Barcelona, Spain.

Paul Weiss, assistant professor of chemistry, gave a paper, "Studies of Adsorption, Accommodation, and Imaging at 4K with an STM," at the Fritz-Haber-Institut der Max-Planck-Gesellschaft in Berlin, Germany.

25-year award recipients



Observing 25 years of service at the University are from left, Amos G. Hollinger, associate professor of physics, and Joan M. Shiffler, a clerk typist in the admissions office, both at the Altoona Campus; Karen Rugh, director of University relations; James Wagner, vice president for business and operations, and Daniel Walden, professor and head of the American Studies Program.

Partings

Professor of education retires after 30 years service to University

James W. Kelz, professor of education, has retired after 30 years service.

Dr. Kelz began his career at Penn State in 1961, when he was appointed assistant professor of education. In 1965 he was named associate professor of education and in 1973 was promoted to professor and senior member of the Graduate Faculty. He served as director of Rehabilitation Programs since 1979.

James W. Kelz

During his tenure within the College of Education, he served on many faculty committees, including the College of Education Curricular Affairs Committee, Academic Standards, Academic Affairs, Counselor Education Curriculum, Writing Intensive, Library, Scholarship, Promotion and Tenure Review Committee, as well as the Faculty Council. He was the recipient of dozens of grants, including many which formed the base for the Rehabilitation Services Education major within the College of Education. He routinely advised 40-60 undergraduate and graduate students and served as University Scholars advisor for 11 years.

Before joining the University faculty, Dr. Kelz served in various professional positions including teaching, school counseling, career and rehabilitation counseling, and consulting. He holds a Pennsylvania license as a psychologist.

Dr. Kelz' education includes a B.S. in biology in secondary education, an M.Ed. in counseling education, and a Ph.D. in counselor education, all from Penn State. In addition, he holds a certificate from Harvard University's Medical School Laboratory of Community Psychiatry, where he was a post-doctoral fellow in 1970-71.

In 1989, he received the Anthony V. Venasco Memorial Award given by the Pennsylvania Rehabilitation Counseling Association, and over the years has received numerous awards and certificates of recognition for service and leadership in many professional societies.

Professional affiliations include, among many, the American Psychological Association, the Pennsylvania Psychological Association, National Rehabilitation Association, the American Association for Counseling and Development, the Employee Assistance Society of North America, the National Career Development Association, the Pennsylvania Rehabilitation Association, and Penn State Phi Delta Kappa, the latter three of which he served as president. He is author or co-author of over 70 articles and many state and national professional policy statements.

Employees retire

Laura I. Freed, senior accounting clerk, Commonwealth Educational System, from March 25, 1968, until Jan. 1.
Ardeth L. Fribey, assistant director of the Office of International Students and foreign student advisor, after 27 years of service.
Dale M. Lightner, environmental systems supervisor, Office of Physical Plant, from April 1, 1959, until Jan. 1.
Robert J. McGlynn, electrician, Office of Physical Plant, after 26 years of service.
Bruno Martini, systems planning specialist, Computer and Information Services, Management Services, from Nov. 1, 1959, until Jan. 1.
Dale R. Miller, food service steward, Nittany Lion Inn, from Nov. 1, 1965, until Jan. 10.
Gloria J. Stewart, secretary, Computer and Information Services, Management Services, from Oct. 3, 1966, until Jan. 1.
Kathleen P. Zaph, senior medical technologist, Student Services, from July 1, 1981, until April 1.

Two from College of Ag Sciences end service

Paul M. Anderson, associate professor of agricultural engineering, has retired after 40 years service.

Professor Anderson's primary research responsibilities included forage harvesting and preservation, anhydrous ammonia use in agriculture and heat recovery from farm dairy production systems. He has authored two correspondence courses, Electrical Tips for Everyone and Farm Refrigeration.

Professor Anderson is co-owner of four patents on the method and apparatus for adiabatic expansion of liquid anhydrous ammonia. He is a member of the American Society of Agricultural Engineers and the American Society for Engineering Education. He also is an honorary member of Alpha Epsilon and Gamma Sigma Delta and is named in American Men and Women in Science.

Paul M. Anderson

He attended the Virginia Polytechnic Institute and State University before receiving his bachelor's and master's degrees in agricultural engineering from Penn State. He joined the Penn State faculty as an instructor in 1951 and was promoted to assistant professor in 1958. He was named associate professor in 1964.

Professor Anderson lives in State College. His retirement plans include woodworking, camping, travel, sightseeing and spending time with his grandchildren.

Donald M. Crider, professor of rural sociology, has retired with emeritus rank after 25 years service.

Before joining Penn State Dr. Crider spent 13 years overseas working with Kachin tribes in Northeast Burma for the American Baptist Foreign Mission Society.

He joined the University in 1967 as a research assistant, working on a longitudinal study of migration patterns. In 1968 he became an instructor of rural sociology, teaching undergraduate courses while researching techniques for locating participants in logitudinal studies.

Dr. Crider was named assistant professor of rural sociology in 1970. He became an associate professor in 1975 and professor in 1983. He served as College of Agriculture Ombudsman from 1973 to 1987, and as interim department head of Agriculture Economics and Rural Sociology in 1984 and again in 1988.

His research has focused on rural sociology, migration, development, solid waste and public opinion. From 1972 to 1977 he was senior rural sociologist with the Bahamas Agricultural Rural Development Training Project.

Dr. Crider received the Excellence in Instruction Award from the Rural Sociological Society in 1989. In 1990, he received the Teaching Award from Gamma Sigma Delta, the national agriculture honor society.

Donald M. Crider

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0504 (NETWORK LINE 433-0504). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, June 4. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 00003, Data Management Specialist, College of Education, Instructional and Technological Support Services, University Park Campus — Analyze data needs of various college offices, specifically including student services, finance, and human resources, design appropriate data structures and computer programs to meet needs. Design and code programs to retrieve and manipulate information from existing databases. Design and oversee production and distribution of periodic reports for use by senior academic administrators. Assist faculty and staff with data handling and computing needs, specifically in relation to ISIS and IBIS. Requires bachelor's degree, or equivalent, with management information systems emphasis, and one to two years of effective experience. Knowledge of Natural, Roscoe, dBase, WordPerfect, Microsoft Word, Excel and Lotus 1-2-3 is desirable. STAFF GRADE 6.

■ 00130, Program Coordinator, Nuclear Engineering, Limerick Community Education Program, Limerick, Pennsylvania — Responsible to the department head of Nuclear Engineering, for administration and supervision of the Limerick Community Education Program to include the development, delivery, and coordination of programs and technical information, budget administration, staff supervision, and liaison with industry identify and coordinate continuing education programs on nuclear energy and radiation. Develop innovative programs that will promote the understanding of nuclear energy and radiation. Requires master's degree, or equivalent, in education, communications, or related field with two-to-three years of effective experience. Nuclear science background preferred. This is a fixed-term position funded for 12 months with strong possibility of re-funding. STAFF GRADE 7.

■ 00004, Coordinator, Residence Hall Programs, Student Services/Campus Life, Residence Life, University Park Campus — Responsible for assisting with the supervision and administration of a residence hall community and for supporting and promoting a diversified residential program. Duties include: selection, training, supervision, and evaluation of resident assistants; student contact in the area of counseling, conflict resolution, crisis management, discipline, organization advising and human relations training. Requires bachelor's degree plus one year of prior effective experience. Candidates should possess a thorough understanding of the role and purpose of residence hall living as it applies to student development, human relations, and community awareness. This is a fixed-term, live-in position. NOTE: Two positions available. Furnished apartment and meal plan at a nominal fee. Appointment period: 8/30/92 - 5/14/93. STAFF GRADE 6.

■ 00005, Coordinator, Campus Residential Life, Behrend College, Student Services, Behrend College — Responsible to the associate dean of Student Services. Assist with supervision and administration of 1,100 on-campus housing students. Responsible for supervision, recruitment, selection, training, evaluation of resident assistant staff, and administration of University Conduct Standards system, counseling and referral of students with concerns. Requires bachelor's degree (master's degree preferred in student personnel services or related area) with at least three to six months of residence hall experience. NOTE: This is a ten-month, live-in position. STAFF GRADE 6.

■ 00006, Residence Life/Activities Coordinator, CES, Mont Alto Campus — Responsible for administration of a residence area of 240 students and coordination of campus student activities program. Includes community development, discipline and counseling; select, train and supervise student staff; provide diverse programs, implement/promote co-curricular activities, advise student groups, negotiate contracts, arrange cultural programs. Requires bachelor's degree plus one to two years of effective experience in residence life activities. Master's degree preferred. NOTE: This is a ten-month, live-in position. STAFF GRADE 6.

■ 00007, Admissions Counselor II, Student Programs and Services, Mont Alto Campus — Responsible for coordination of admissions activities, including recruiting and counseling of prospective students, coordination of enrollment strategies for allied health programs, evaluation of provisional applications, and liaison with area high schools. Requires excellent communication and organizational skills, and bachelor's degree, or equivalent, plus one to two years related experience in a higher education setting. STAFF GRADE 6.

■ 00008, Coordinator, Field Activities, Development and University Relations, Alumni Association, University Park Campus — Responsible to the associate executive director, Alumni Relations, for providing support in alumni membership activities and for assisting other University departments and offices. Requires bachelor's degree, or equivalent, plus six to twelve months of effective experience with alumni activities preferred. Written and verbal communications skills required. This is a fixed-term position funded through June 30, 1993, with good opportunity for re-funding. STAFF GRADE 5.

■ 00009, Coordinator, Campus Residential Life, Behrend College, Student Services, Behrend College — Responsible to the associate dean of Student Services. Assist with supervision and administration of 1,100 on-campus housing students. Responsible for supervision, recruitment, selection, training, evaluation of resident assistant staff, and administration of University Conduct Standards system, counseling and referral of students with concerns. Requires bachelor's degree (master's degree preferred in student personnel services or related area) with at least three to six months of residence hall experience. NOTE: This is a ten-month, live-in position. STAFF GRADE 6.

■ 00010, Inventory Control Specialist, Facilities and Maintenance Operations, Penn State Harrisburg — Responsible for developing and managing an inventory control system for Facilities and Maintenance Operations, and General Stores. Receive, warehouse, issue, inventory and maintain line items of stock, supplies and equipment. Requires associate degree, or equivalent, in business or related field plus two to four years of effective experience including inventory planning and material control, as well as

Nittany Lions in Blockbuster Bowl

The University and the Blockbuster Bowl have reached an agreement that will send the Nittany Lions to this year's Blockbuster Bowl.

The game will be played in Miami's Joe Robbie Stadium, a 74,000-seat facility. It will be televised by CBS at 1:30 p.m. on New Year's Day.

"We are obviously pleased to return to the Blockbuster Bowl," President Thomas said. "When we visited in 1990, we were impressed with the warmth of our reception by the South Florida community. We're happy as well that Joe Robbie Stadium is within easy reach for many of our thousands of Penn State alumni."

The initial Blockbuster Bowl was played on Dec. 28, 1990, with Penn State losing to Florida State, 24-17.

"The invitation presents a challenge to have the kind of season that will confirm the Blockbuster Bowl's confidence in our squad," Coach Joe Paterno said. "This is a tribute to our program and we'll do everything possible to be an appropriate choice."

The Nittany Lions are in their final year as an independent. They will begin Big Ten conference play in 1993.

INTERCOM is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone 865-7517.

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INTERCOM

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JUN 22 92

Parking Office updates status of work, future plans

From: David E. Stormer, assistant vice president, Safety and Environmental Health

To: All University Park Faculty and Staff Parking Permit Holders

More than 2,000 parking spaces have been added at University Park since 1987 when parking fees were first implemented by the University to help fund a solution to the critical space needs of the campus. Unfortunately, even as the number of spaces has increased, more people are driving vehicles onto campus than ever before.

The parking terrace at Keller has been an important addition along with the lot behind the AG Administration Building, but there are a number of other projects planned. These projects are funded with the parking fees faculty and staff pay.

Probably the most visible new project is the addition of an 821-space parking garage behind Eisenhower Auditorium. This facility is scheduled to open later this summer.

There are some other facilities which you will see us begin to develop over the next year as well. For instance, the Board of Trustees has been advised about a planned addition to the parking terrace near Keller Building at its meeting last month. With the board's support, we hope to begin this project in 1992.

As difficult as finding a convenient parking space can sometimes be, you may be interested to know that the parking assignment rate at this University is low statistically. There are only 10 cars registered for every nine available spaces. Considering the widely varying work schedules you find at a typical university, this rate compares quite well with some of Penn State's peer institutions.

Nonetheless, that may not mean a great deal to somebody trying to find a parking space, at the last minute, behind the building in which their office is located. We understand that frustration, and have some additional projects planned through the remainder of the 1990s which should alleviate some of the stress.

One plan we are implementing during the early evening hours should result in less congestion at that time being created

See 'Parking' on Page 7

University remains third in defense contract awards

Defense Department Contracts to Colleges and Universities
Fiscal Year 1991

Johns Hopkins University	$403,931,000	University of California	$31,175,000
MIT	400,182,000	University of Dayton	22,249,000
Penn State	56,360,000	University of Pittsburgh	21,612,000
University of Texas System	55,296,000	University of Washington	18,586,000
Carnegie Mellon Univ.	47,656,000	Stanford University	16,968,000
Utah State University	42,197,000	New Mexico State University	12,456,000
University of Southern California	34,560,000	Cornell University	10,458,000

Note: This list includes those colleges and universities that received a total of $10 million or more in contracts from the Department of Defense.

Source: U.S. Department of Defense

Penn State remained third among U.S. colleges and universities in defense contracts, in a year when most institutions saw their defense funding decrease, according to recently released U.S. Department of Defense figures.

In fiscal 1991, the University received $56.36 million in defense contract funds, a decrease of more than $5 million from the $61.6 million received in fiscal 1990.

The top two places switched in fiscal 1991, placing Johns Hopkins University first with $403.93 million, up $30 million from fiscal 1990 and the Massachusetts Institute of Technology second with $400.18 million, down $55 million from fiscal 1990.

See 'Defense contracts' on Page 7

NYU department chairperson named dean of School of Communications

President Thomas has offered the position of dean of the School of Communications to Terri Brooks, chairperson of the Department of Journalism and Mass Communication at New York University, subject to the approval of the University's Board of Trustees.

"I am pleased to be able to bring this recommendation to the Board," Dr. Thomas said. "Professor Brooks is an outstanding choice for Penn State at this time. She is an experienced administrator; she is widely recognized for her teaching and professional accomplishments, and she possesses the vision and ability to lead the School of Communications in the 1990s."

Professor Brooks has served as chairperson of the Department of Journalism and Mass Communication at New York University since 1986. The department serves 400 undergraduate and 150 M.A. students and is housed in its own six-story building with new facilities that include an 80-computer newsroom network and broadcast floor, a national computerized student news service, and live weekly newscasts from its own TV studio.

Her grants and awards include support from the International Studies Challenge Fund to support program development on press coverage of Latin America and the Fulbright Foundation to study the press in India. She is a recipient of the National Teaching Award from The Poynter Institute for Media Studies and the Ralph O. Nafziger Award for

See 'Dean' on Page 7

Terri Brooks

Focus on Diversity

Outstanding minority scholars to teach courses

Nine outstanding minority scholars, in fields ranging from ecological anthropology to Puerto Rican literature, will participate this summer in the sixth annual Scholars in Residence program.

The scholars will teach summer courses at the University Park and Allentown campuses. The program is designed to provide opportunities for minority scholars to spend time at Penn State and become familiar with the University's undergraduate education and research programs while enhancing cultural diversity.

"We are proud to host these respected scholars as they teach and perform research on our campuses this summer," **Nancy Tischler**, director of the Office of Summer Sessions, said. "We hope they will enjoy interaction with our students, intellectual exchange with our faculty, discover our rich academic resources and experience the cultural and natural beauty of summer in Pennsylvania."

The scholars are **Maria L. Cruz**, Rollins College; **Rogelio Escudero**, University of Puerto Rico; **Glenda Stein Johnson**, Dillard University; **Jaipaul L. Roopnarine**, Syracuse University; **Barbara A. Sizemore**, University of Pittsburgh; **Christine Tachibana**, University of Oregon; **Lacey M. Tillotson**, Southern University; **Victor F. Torres**, Lawrence University; and **Linda Sue Warner**, University of Kansas.

A visiting assistant professor at Rollins College, Winter Park, Fla., Dr. Cruz will conduct research at University Park. Her research interests include applied anthropology, ecological anthropology, rural development, fisheries, aquaculture, and Latin America and the Caribbean.

Dr. Escudero, an associate professor at the University of Puerto Rico, has research interests in Puerto Rican literature and journalism. He will teach a Spanish language course and participate in workshops and presentations at the Allentown Campus.

Dr. Johnson, assistant professor at Dillard University in New Orleans, will teach a nutrition course at University Park. Her research interests include sodium and caloric intake of African/Black American school-age children; factors that affect the control and perception of health and dietary intake among the elderly, and exercise and the health of African/Black American males.

Dr. Roopnarine, an associate professor at Syracuse University, will teach an early childhood education course at University Park. His interests include play and early childhood education.

Dr. Sizemore, professor of Black studies at the University of Pittsburgh, will teach a course on African/Black Americans in education at University Park. She also plans to complete a book about three high-achieving public elementary schools, which have predominantly African/Black American populations.

Dr. Tachibana, assistant professor at the University of Oregon, will teach a biochemistry course at University Park. Her research interests include molecular and cell biology.

Dr. Tillotson, associate professor at Southern University, has research interests in social and behavioral aspects of diabetes. Dr. Tillotson will teach social work practice analysis and field work in social welfare courses at University Park.

Dr. Torres, an instructor at Lawrence University, has research interests in appraising Latin American library holdings and assessing how Latin America is represented in curriculums. While at University Park, he will examine Pattee Library's Hispanic collections.

Dr. Warner, a University of Kansas assistant professor, will teach educational administration courses and participate in seminars at University Park. Her research interests include minority leadership, the role of parents in policy making, and conflict resolution in education.

Diversity Briefs

Minority summer program

From July 11 to 19, the College of Education will play host to 30 minority high school students in an effort to encourage them to consider teaching as a career.

Funded in part by the Penn State Equal Opportunity Committee, the program will take a three-pronged approach.

The Academic track enables students to attend Penn State classes of their choice; the Enrichment track is designed to prepare them for college life with topics such as financial aid, admission requirements, school visits, time management, and college survival skills; and the third track, Social/Recreational, provides students the opportunity to view college life from a recreational perspective, including field trips and physical activities

"By providing intense, stimulating, and nurturing pre-college preparation and direct exposure to new teaching technologies through a hands-on summer residence program, we hope that minority youth will be encouraged to go into education," **Reggie Brooks**, program director, said.

New video available

Audio-Visual Services recently acquired a new video titled "My Mother Thought She Was Audrey Hepburn." (24780,VH).

The 20-minute production is an amusing portrait of a young Asian-American woman, brought up "not to be Chinese," coming to terms with her own ethnic identity. Suzanne's mother, who fashioned herself after beautiful American women, eschewed all Chinese tradition and culture, and unwittingly fostered a self-image dilemma within her daughter.

The videotape is available at no charge to University faculty and staff for classroom use. At University Park, call 865-0913 to make arrangements for a preview showing. At a Commonwealth Campus, contact the campus instructional services specialist for more information.

Women's meeting

The Women's Alliance, a town-and-gown networking group, meets at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place on June 17.

Professional women in State College and at Penn State are welcome to attend for informal discussion and networking. No reservation is required.

Summer showcase of films

P.O.V. (Point of View), Public Broadcasting's summer showcase of independent non-fiction films, premieres at 11 p.m. Monday, June 15, on WPSX-TV with *Color Adjustment*.

From *Amos'n'Andy* to Nat King Cole, from *Roots* to *The Cosby Show*, Blacks have played many roles on primetime television. Brilliantly weaving clips from classic TV shows with commentary from TV producers, Black actors and scholars, Marlon Riggs blends humor, insight and thoughtful analysis to explore the evolution of Black/White relations as reflected by America's favorite addiction. Co-presented by the National Black Programming Consortium.

Self-esteem is topic

Mary Anne Knapp, clinical social worker, Penn State C.A.P.S., will speak on "Enhancing Your Self-Esteem: Taking Care of Yourself at Work," at the June 30 meeting of Professional Women at Penn State.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel at University Park, with an opportunity for informal networking. Ms. Knapp will speak at 12:10 p.m.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

This group welcomes attendance by both male and female persons in all job and student classifications at the University.

Workshop for aspiring filmmakers

Look out, Spike Lee. Nine aspiring filmmakers will be learning how to turn their vision into reality at the School of Communications Film and Video Minority Workshop, from June 20 through July 3 at University Park.

"The representation of minorities in the U.S. film and television industries remain extremely low, despite the recent success of African American film directors such as Spike Lee and the Black Entertainment Television," **Chris Patterson**, director of minority student services for the School, said.

"The goal of the workshop is to give high school students a basic understanding of the language of film and how that language is applied to documentary, experimental and dramatic storytelling."

The students will work in small groups and obtain hands-on experience in the many techniques involved in filmmaking. They will be encouraged to develop a film project expressing their vision of the world. In addition to working with University faculty members, they will be contacting professionals such as Penn State alumnus and Hollywood filmmaker, **Stan Lathan**.

The workshop is similar to the successful Minorities in High School Newspaper Workshop held annually at University Park.

Funding support is by the School of Communications, the Equal Opportunity Planning Committee and D'Elia Witkofski, a Pittsburgh production company.

For more information, contact Mr. Patterson at 814-863-6081.

Examining priorities

The University Future Committee reviews ideas, looks for suggestions from University community

Persons interested in offering suggestions to the Future Committee are encouraged to send them to the executive vice president and provost's office, 201 Old Main.

The University Future Committee, comprised of faculty, deans, student and staff representatives, is now meeting with academic and staff unit heads to gain a better understanding of priorities. Although the Committee will not make preliminary recommendations to the President until later this year, *Intercom* recently interviewed the chair of the committee, **John Brighton**, executive vice president and provost, to provide readers with insight into the process under way.

Intercom: The University Future Committee was appointed almost three months ago. What has the group accomplished thus far?

Brighton: The Committee as a whole has been meeting on a weekly basis. We are studying the fiscal make-up of the University and reviewing academic strengths and priorities. This is a process which will continue for a number of months, even after we begin making specific recommendations to President Thomas. A second phase of our work is now under way. This involves meetings with the heads of academic and staff support units. The President and I have now met individually with the heads of these units. In addition, the Future Committee has begun preliminary meetings with the academic deans and other unit heads. Out of these sessions, we will go back and continue our survey of the landscape throughout the summer and then begin an additional round of meetings in the fall. The first priority throughout every phase of this process will be to maintain and improve the academic quality of the University.

"The first priority throughout every phase of this process will be to maintain and improve the academic quality of the University."

John Brighton
Executive vice president and provost

Intercom: Probably two of the biggest questions on many minds in the University community are will certain programs be dropped and will people lose their jobs? Could you address these questions?

Brighton: The University Future Committee is immersed in the preliminary fact-finding stage of this process, a process which will continue for several months. Anyone predicting the shutdown of particular programs or staff layoffs is not speaking from the work of the University Future Committee. We simply are not that far along.

Intercom: You and President Thomas have both been quoted a number of times saying you hope to avoid layoffs as part of the on-going process to narrow Penn State's scope, but some of the news accounts seem to indicate a loss of jobs is a possibility.

Brighton: It is difficult to predict what the state appropriation will be this year. We have tried to be careful to say that in fact anything may happen in the coming year, but during this new process it will be the fullest intention of the Committee and of the President to accommodate necessary changes through resignations, retirements, and reassignments, if at all possible. The normal coming and going of employees will continue at Penn State. For instance, this summer there will be less people working in the dining halls than were working there last month. But that process happens every summer, when most students leave campus. Similarly, the funding levels for certain research projects can wax and wane at any given time. Those levels of funding, whether from the federal government or perhaps a private foundation, will have an impact on jobs. But they always have. Those kinds of changes are nothing new and are not related to the work of the University Future Committee.

Intercom: Are there plans to strengthen the University in this process?

Brighton: Yes. Some areas of the University may be strengthened as a result of this process, because we intend to put in place a process that will provide reallocated funds to boost certain programs. Part of this process is to help us identify important areas for growth which, with additional funding support, can realize their potential.

Intercom: Will we all turn around in a few years and find a Penn State University substantially different than the one here today as a result of the Future Committee work?

Brighton: If President Thomas had not appointed the University Future Committee and set us on a course to support the things that are best about Penn State, we would see a substantially weakened University by the middle of the decade. An institution cannot continue to live with underfunding, and, in fact, cuts in its funding, and remain a first rate institution. The work of the Future Committee, and everyone who brings ideas to the table for discussion, is going to provide insurance for a quality institution. Last year the state cut $12.5 million from our budget. This year another $9 million was frozen and, as you know, the governor announced last week that declining state revenues necessitated the return of these funds. The proposals for 1992-93 promise more cuts. For many years, we held the line on quality by turning to tuition and increased research revenues. Those options can only go so far to make up the difference.

Intercom: You have also indicated that Continuous Quality Improvement initiatives will become increasingly important as the University looks to improve its programs. Can you explain?

Brighton: Continuous Quality Improvement is an activity that originated in industry, particularly where new methods were needed to survive and to maintain the ability to compete. The principles, in part, include a focus on particular processes — looking carefully at the methods used and then making changes in those processes for more effective results. Last year, we discovered that several parts of the University were already involved in CQI. These activities were primarily in the support areas including the Office of Physical Plant and the Office of Human Resources, but also in Continuing Education and the Colleges of Business Administration, Engineering and Science. Out of this activity came the formation of the University Council for Continuous Quality Improvement and then the establishment of a Center for Continuous Quality Improvement. The objective of these efforts is to help people become familiar with the advantages and methods of CQI and to help those who are interested apply them to their work. This is a voluntary activity. President Thomas and I are encouraged by the level of activity already emerging throughout the University.

Intercom: Is there anything else you would like to add?

Brighton: Yes, an important comment, actually. I hope students, faculty and staff keep in mind what is happening elsewhere in higher education. There are other institutions facing much more severe financial consequences than we have had to face to date. In a broader perspective, Penn State looks quite good. The kinds of changes we will consider over the next several years are intended to strengthen an already strong institution. Penn State is one of the premier research universities in the nation. Penn State has the second largest number of Alumni Association members in the nation. Our fund raising efforts for academic quality and important needs are succeeding where other institutions are experiencing difficulty. The Future Committee and efforts involving Continuous Quality Improvement initiatives will help us focus on important areas for success in the 1990s and beyond.

Finally, I would like to say we are looking for suggestions and input from all parts of the University community for changes to help improve our institution. Everyone who works for Penn State, attends classes, or lives in the community can help us in this process. Again, the University Future Committee would encourage individuals to share their suggestions with us.

Effective July 1

New SPEC program for job titles and grades

The University will begin using the new SPEC program titles and grades for individuals hired effective July 1, in the new Staff category (presently clerical, staff nonexempt and staff exempt). Present employees will be phased into the new program effective Oct. 1.

Rachel Miller, manager of salary administration and classification, Office of Human Resources, said, "this comes as a result of the major decision by the University over two years ago to embark on a new direction relative to its compensation and evaluation program for a large segment of the University community. For many years, two salary programs were used to manage compensation for three employee classifications — clerical, staff nonexempt and staff exempt.

"The decision was to develop an entirely new single system for determining position levels and values and, further, to have only one classification — "Staff" — instead of the present three."

Several key goals were articulated that the new program must:

- be fair, equitable and free of bias;
- provide a framework for career growth and reward excellence;
- reflect the world of work as it exists today and recognize the essential value of jobs; and
- ensure that the University will be able to attract and retain first-rate individuals in the job markets and fields where it competes for employees.

After months of intense work involving staff in Human Resources, Human Resources representatives, considerable input from employees, and an outside consulting firm, William M. Mercer, Inc., engaged to provide technical expertise and guidance, the new factor-based Staff Position Evaluation Compensation (SPEC) program evolved.

SPEC is designed to measure jobs in the new Staff classification within ten compensable factors: Knowledge, Experience, Dexterity Skills, Judgment and Problem Solving, Direction Received, Internal Contacts, External Contacts, Breadth of Responsibility, Organizational Impact, and Supervision of Others.

"Penn State has the philosophy of striving to pay at average to slightly above average in relevant labor markets," Billie S. Willits, assistant vice president for human resources, said. "Education or higher education salary survey sources are used, but national, regional and local survey sources also are used, as necessary. The SPEC approach to job evaluation represents an integrated response to internal and external pay environments appropriate to Penn State."

SPEC consists of 22 grades, designated as grades 11 through 32. A salary range accompanies each grade. Each range consists of a minimum, midpoint and maximum salary. The ranges are based upon extensive market analysis of salaries paid at other universities and private employers.

"With the merger of the three position classifications, a number of University policies will be affected," Dr. Willits said. "Some of the changes, as a result of the merger of the three classifications, are fairly significant; some will have minimal impact."

She said that 50 different focus groups were formed at University Park and a number of other locations to discuss various policies. Employees were given the opportunity to learn the background of certain key policies and to voice their opinions and suggestions.

"We wanted to be good listeners. We tried to be responsive to the concerns and comments expressed by the members of the focus groups," she added.

"While Federal law (the Fair Labor Standards Act) still will require distinctions in certain areas between those exempt from the law and those not exempt from it, all employees currently in the three classifications will be referred to as Staff.

"When necessary, references will be made to nonexempt Staff and exempt Staff. We will begin using the new references for individuals hired effective July 1, and for existing employees on Oct. 1."

Here, in summary form, are the policies as changed which will take effect Oct. 1, when present employees phase into the new program.

Probationary Period
Instead of three different probationary periods for new hires, there will be a six-month period for all newly hired Staff.

Layoff and Recall
These policies, which were applied only to clerical employees in the past, will be extended to all Staff. This means everyone will have limited bumping within their work unit by job title and work unit seniority in the event of a layoff and will be eligible for recall for a period equal to work unit seniority at time of layoff, for as long as two years.

Vacation
Nonexempt Staff (eligible for overtime, premium pay) will earn vacation as follows:

	Monthly Rate Accumulation	Maximum Accumulation
First 10 years of regular employment	1 1/2 days	24 days
Beginning of the 11th year thru the 25th year	2 days	30 days
Beginning of the 26th year and thereafter	2 1/4 days	33 days

Exempt Staff (not eligible for overtime, premium pay) will continue on their current vacation plan.

Sick Leave
Nonexempt Staff and exempt Staff hired on or after July 1, will accumulate one day of sick leave per month, with no limit. Exempt Staff hired prior to July 1, will remain in the current staff exempt plan with time-off-per-absence on length of University service, with the option to switch to the new plan by indicating their desire to do so at the time the policy modifications take effect.

Discipline and Dismissal
The policy of a documented performance improvement period will apply to all Staff. This establishes a dialogue between the supervisor and the employee which can be documented and spells out the desired improvement expected. While dismissal may still occur, it provides a much more flexible and informal approach. The system of three warning letters within 12 months for automatic dismissal will no longer be in effect. (This applied for the former clerical classification.)

Grievance Procedure
A simplified version of the current policy providing for a final and binding decision from a third party acceptable to both parties will apply to all Staff. There will be steps to ensure a full airing of the problem, if necessary, but the whole process has been streamlined from the previous programs to speed up the process.

Staff Vacancy Announcement Program
A two-tiered vacancy announcement procedure will be used for all staff positions. Vacancies will be announced in the work unit first and then electronically University-wide. Where employees have no access to electronic announcements, bulletin board paper notices will be utilized. Outside applicants will continue to be notified through 865-JOBS and selected publications. The Intercom will no longer be used for announcing job vacancies. This system will speed up the process as well.

Seniority Considerations for Job Selection
Seniority will not be used as a primary selection criteria for Staff vacancies. This concept was strongly recommended by the employee focus groups. Wage payroll employees will be given consideration, provided they have worked at least 1,500 hours in, and are working in, the work unit announcing the vacancy.

Work Schedules and Work Schedules Preference
Nonexempt Staff will continue to have work schedules specified because of overtime regulations; exempt Staff will not. Work schedule preferences, when more than one schedule is available, will be based on work unit length of service for all Staff.

Shift Differential and Overtime Premium Pay
Shift differential and overtime premium pay will continue to apply for nonexempt Staff. They will not apply for exempt Staff. There will be no change in the present amounts for shift differential.

Working on a Holiday
The policies and practices will remain the same for someone required to work on a University holiday. Nonexempt Staff will receive double compensatory time off for holiday hours worked that occur on a regular work day and double time pay for holiday hours worked on a regular day off. A nonexempt employee can receive pay 1/2 of compensatory time earned. Exempt Staff will receive straight compensatory time off for holiday hours worked regardless of whether on a work day or day off. An exempt employee can receive pay for the compensatory time.

Unauthorized Absence
Three consecutive work days of unauthorized absence will result in termination of employment, unless there are extenuating circumstances judged to justify such absence.

Length of Leave of Absence Without Salary
Length of leave of absence for all Staff due to illness or injury (non-job related) will be determined by length of continuous regular University service as follows:

Length of Service at Time of Leave	Maximum Length of Leave
Through first 6 months	up to 1 month
End of 6th month through 1st year	up to 3 months
End of 1st year through 2nd year	up to 6 months
End of 2nd year through 3rd year	up to 9 months
End of 3rd year through 4th year	up to 12 months
End of 4th year through 5th year	up to 15 months
End of 5th year through 10th year	up to 18 months
End of 10th year or more	up to 24 months

See 'SPEC' on Page 5

Insects provide fascinating viewing at museum

The Frost Entomological Museum

Hours: Monday - Friday
8:30 a.m. to noon
1:30 to 5 p.m.

Peering cautiously into carefully arranged glass cases, visitors stare in curious fascination at the wide array of insects on display at the Frost Entomological Museum at University Park. Despite the general public's repulsion to insects and unexplainable desire to squash them underfoot, they just can't seem to pull themselves away from the colorful tropical bugs found here.

"I don't know what it is, but people are drawn to these insect collections. They have a grotesque fascination with them," said **Stephen Bullington**, assistant curator for the Museum. "There is a definite basic desire for people to know what's out there and to have a name for it. They especially enjoy looking at the giant insects from South America."

Live hissing cockroaches are just one of the attractions at the Frost Entomological Museum at University Park.

In a recent move from the Patterson Building to Headhouse 3 across from Parking Lot 80 on Curtin Road, the Frost Museum gained valuable space — about 60 percent more area — to continue housing its pinned, preserved and live specimens.

In addition, the move will allow the Museum to make new insect acquisitions and properly manage those currently on display or in cabinets. From the live hissing cockroaches native to Madagascar, to the two-inch, hard-shelled black beetles with mandibles almost as long as their bodies, the place is crawling with insects.

As one of about 50 university entomological museums and collections in the country, the Frost Museum houses nearly 500,000 specimens representing 28 orders of insects, 455 families, and about 15,000 species. The Museum also boasts one of the largest dragonfly and aphid collections in the United States.

According to Dr. Bullington, the Museum's primary goal is to accumulate, maintain and conserve a documented record of insects and related anthropods for research and instruction.

"This is really not a museum," he said. "A better description would be a working research collection."

The Museum, under the direction of curator **K.C. Kim**, professor of entomology and director of the Center for BioDiversity Research, provides materials for biosystematic research and serves as a reference library for accurate identification of insects.

"This Museum is a tangible record of organic evolution," Dr. Bullington stressed. "And anyone who views it is privileged to be seeing a portion of that process."

Stephen Bullington, assistant curator for the Museum. (Photos: Greg Grieco)

The Museum is open to the public on weekdays, from 9 a.m. to noon and from 1:30 to 5 p.m. Groups hoping to visit the Museum should call ahead so that an instructional tour can be planned.

Penn Staters

Janice L. Dreachslin, associate professor of health care administration at Penn State Great Valley, presented a paper titled "The European Community's ("EC") Need for a Common Currency in Health Care Quality Assurance" at the "Europe without Frontiers: The Implications for Health" Conference in London, England.

Edwin L. Herr, distinguished professor of education and head, Department of Counselor Education, Counselor Psychology, and Rehabilitation Services Education, has been selected editor-designate of the *Journal of Counseling and Development*. **Ellen Fabian**, assistant professor of education, will assist with the editorship.

Rustum Roy, Evan Pugh professor of the solid state, presented the International Science Lecture sponsored by the U.S. National Academy on "New Materials: Fountainhead of New Science and New Technology" in New Delhi, India.

Pianist **Steven Smith**, professor of music, gave a solo recital at the Chinese University of Hong Kong's Chung Chi College, a lecture recital for the Hong Kong Piano Teachers' Association, and recorded classic and contemporary works for Hong Kong government radio.

Lynne Brown, associate professor of food science, has been elected president-elect of the food and Nutrition Extension Educators Division of the Society for Nutrition Extension.

Steven Heine, assistant professor of religious studies, has received a grant from the Association for Asian Studies to support research at Komazawa University in Tokyo, Japan, on "Dogen and the Koan Tradition: Studying the Misplaced Manuscripts."

Susan L. Kennedy, associate director, University Health Services, has been elected chair-elect of the Health Education Section of the American College Health Association.

Allen Soyster, professor and head of industrial engineering, has received the Institute of Industrial Engineers' Award for Technical Innovation.

SPEC

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Notice of Termination of Employment
The University would prefer to receive one month's notice, but at least two weeks' notice should be given.

Re-employment with the University
Individuals rehired after termination of previous employment will be treated as new employees.

Length of Employment in a Work Unit
Length of employment in a work unit calculation will be the same for all Staff. It will be defined as all continuous regular employment from date of last hire in the work unit.

Policy on Educational Privileges
The eighty (80) annual clock hours of absence restriction will not apply to any Staff.

"As is true with any changes," Dr. Willits said, "some changes brought about as a result of the merger of the classifications will take some getting used to while others will not. However, we are optimistic about this. We believe that the new policies are more consistent and fair for all employees and will be easier to understand.

"This summary of changes is not intended to be definitive on policy matters," Dr. Willits added. "The official source document for policies in effect at the University is the **Policy Manual**. The appropriate policies are being revised and a new Handbook subsequently will be issued.

"In the meantime, if you have any questions about the changes, you should contact your Human Resources representative, director of business services or Human Resources officer, as appropriate. Questions also may be referred to the Office of Human Resources. In addition, the Office of Human Resources would appreciate receiving your comments about the new policies."

June schedule

Two episodes of PBS series to premiere in Schwab

William Haviland

The *Hearth* episode of "Out of the Past" will premiere in Schwab Auditorium at University Park at 7 p.m. Wednesday, June 17. A discussion by **William Haviland**, professor of anthropology, University of Vermont will follow.

The *Hearth* explores the wide variety of family units encountered by archaeologists and anthropologists. The episode explains how archaeologists use artifacts and architectural features to reconstruct the family unit and its role in society.

"Out of the Past" was produced by Penn State researchers, **William T. Sanders**, Evan Pugh professor of anthropology, and **David Webster**, professor of anthropology, in conjunction with WQED-TV Pittsburgh, and Cambridge Studios, Boston. The series was funded by the Annenberg/CPB Project, the Media Program of the National Endowment for the Humanities and the National Science Foundation. Public Broadcasting System airing is scheduled for Spring 1993.

Dr. Haviland's work on the Maya area of Tikal, Guatemala has included investigation of settlement patterns, family size, the evolution of urban societies and social integration among the Maya. He is the author of *Anthropology* (Holt, Rinehart and Winston) and *Cultural Anthropology* (Holt, Rinehart and Winston) both in their 6th editions.

Dr. Haviland received his B.A., M.A. and Ph.D. in anthropology from the University of Pennsylvania in 1956, 1958 and 1963, respectively. He began his academic career in 1963 as an assistant professor at Barnard College. In 1965 he moved to the University of Vermont and in 1970 became an associate professor. He was chairman of the Anthropology Department from 1972 to 1978 and became a professor in 1975.

He is a Fellow of the American Anthropological Association and the American Association for the Advancement of Science and an invited member of the American Association of Physical Anthropologists and an associate of Current Anthropology. He is a member of Sigma Xi.

Artisans and Traders, the third episode of "Out of the Past," will be shown at 7 p.m. Wednesday, June 24, in Schwab Auditorium. A presentation by **Craig Morris**, an associate curator in the Department of Anthropology at the American Museum of Natural History, will follow.

Artisans and Traders explores traditional patterns of economic production and distribution as they still exist in modern times, to find analogies for these practices as they occurred in the past. Focusing on the development of economic systems, this episode investigates craft production, specialization, distribution and consumption.

Dr. Morris is specifically interested in reconstructing the economy and politics of the Inca empire that at one time stretched from the equator to the southern tip of Chile. He also is interested in the kingdom of Chincha, which controlled the trading of shells from the Ecuadorian coast for metals from the interior of southern Peru and Bolivia.

Dr. Morris received a B.A. in both psychology and philosophy from Vanderbilt University in 1961. He later attended the University of Chicago, and received a B.A. and Ph.D. in anthropology.

He was an assistant professor of anthropology at Brandeis University from 1968 to 1975 before joining the Museum. He is a Fellow of the American Anthropological Association and is secretary of the Institute of Andean Research.

Craig Morris

University's policy on sexual harassment is revised

The University's policy on sexual harassment has been revised and a new guideline on consenting relationships has been established.

The revised policy states that sexual harassment of faculty, staff or students will not be tolerated, and that the University takes an active role in providing information and/or training to students and employees on the seriousness of such behavior and the importance of ensuring an educational and work environment in which all individuals are respected.

Under the policy, sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal and physical conduct of a sexual nature when:

—submission to such conduct is a condition for employment, promotion, grades or academic status;

—submission to or rejection of such conduct is used as the basis for employment or academic or other decisions affecting an individual;

—such conduct has the purpose or effect of interfering unreasonably with the individual's work or academic performance or creates an offensive, hostile, or intimidating working or learning environment.

Primary responsibility for resolving complaints of sexual harassment has been delegated to the Affirmative Action Office. In addition, each senior vice president, dean, campus executive office, and provost/dean will designate one or more individuals in his or her area to assist in resolving allegations of sexual harassment (contact person).

Any member of the University community who experiences sexual harassment should discuss the incident with one of the contact persons, an administrator in the department or unit, or a staff member of the Affirmative Action Office or the Human Resources Office.

When cases of alleged sexual harassment are brought to the attention of the University, the policy states, every attempt will be made to resolve them promptly, fairly and impartially in the most confidential manner possible, with due regard to the rights of both the victim and the alleged offender.

If attempts to resolve the issue informally are not successful, an investigation may be conducted by the Affirmative Action Office.

If findings substantiate the complaint, recommendations will be made to the appropriate dean or administrator for prompt action to resolve the problem and to guard against recurrence. Sanctions will be dependent on the circumstances, and may range from a reprimand to dismissal from the University.

Because sexual harassment charges may arise out of apparently consensual relationships, Administrative Guideline No. 3, Consensual Relationships, has been established. It states that:

"Faculty and supervisors should be aware that romantic or sexual relationships with students or subordinate employees have the potential for adverse consequences, including the filing of charges of sexual harassment.

"Given the fundamentally asymmetric nature of the relationship where one party has the power to give grades, thesis advice, evaluations, recommendations, promotions, salary increases or performance evaluations, the apparent consensual nature of the relationship is inherently suspect. In such a situation, the person in the position of power bears special responsibilities.

"Even when both parties have consented to the relationship, there may be serious concerns about conflicts of interest and unfair treatment of others. Under such circumstances, the person in the position of power should relinquish decisions relative to grading, thesis advice, evaluations, recommendations, promotions, salary increases, or performance evaluations."

The University takes an active role in ensuring an educational and work environment in which all individuals are respected.

Parking

Continued from Page 1

by vehicles which do not have parking permits — and yet have been taking up spaces that others need and have paid for.

Part of the problem with planning for adequate parking is the wide range of variables which impact the number of spaces needed from one year to the next. For instance, even while many people talk about the need for more ecologically sound practices, we have found that a higher percentage of employees are driving onto campus than did just a few years ago. People still do not like to use mass transit, car pool, or explore other alternatives. Another variable is the changing number of employees from one year to the next.

Since the Parking Office was organized in 1987, it has been a self-supporting function of the University. The revenues gained from both permit fees and fines support the construction of new facilities and the maintenance of current parking facilities.

Although we have held the line on these fees for most University employees for the past several years, and after wide consultation with faculty, student, and employee groups, we have concluded that it has become necessary to raise registration rates. Parking in open faculty/staff lots currently costs $8 per month and reserved lots are $12 per month. We plan, as of July 1992, to increase those fees to $10 and $14 per month respectively. The student rate will increase to $40 per semester for residents and commuters.

For anyone who does not choose to bear costs, there remain in place some free parking options. For instance, free parking is available in the Park & Pool lot near Beaver Stadium. Employees who park there can access the free Commuter Express shuttle at the stadium and get off near the Museum of Art or Rec Hall.

There are now a total of nearly 8,000 faculty/staff parking spaces available at University Park as opposed to about 6,000 spaces in 1987. Still, the demand, particularly in specific areas such as west campus, continues to present problems at some times of the day.

The demand for student parking continues to increase, as well, and that presents difficult problems for us to solve. We obviously cannot outlaw vehicles on campus; we cannot pave over every piece of green space, and we cannot provide all employees a parking space directly outside their office doors. What we can do is provide, in the majority of cases, a wide range of solutions for people to pick and choose from to suit their needs and interests.

In 1987, sixty-seven percent of University employees registered vehicles for campus parking. Today, that figure has increased to seventy percent.

There are a number of tentative plans on the drawing board that have been developed in concert with parking and traffic flow experts, as well as with input from every level of the University community. These plans may be altered as other needs and changes occur on campus but, at this point, the plans include:

- A terrace parking structure is planned for the HUB lot, Brown F, providing 350 spaces.
- An addition to the Kern/Keller parking terrace, will provide 500 spaces to make up for the loss of 230 spaces in that area of campus from construction of the Mateer Building and the expanded Nittany Lion Inn. Additional spaces in that area will be lost with the future expansion of the Music Building and Pattee Library.
- A surface lot is planned to expand Red A west of Atherton Street near the golf course. This will provide 300 new spaces. Some measures have been taken in an attempt to relieve pressure on this lot, but more expansion is necessary.
- An expansion of Lot 44 near Beaver Stadium will provide 700 new spaces which can be used during the day by employees and would be available in the evening for events at the new academic convocation and events center.
- A surface lot south of Shields Building will add 200 parking spaces.

We suspect that one of the reasons more employees are registering vehicles for parking privileges is that the cost is low when compared to alternatives and when compared with similar institutions.

We have avoided increases in the parking fee, but to fund the increasing demand for spaces, it is anticipated that rates will have to rise unless the number of vehicles coming onto campus begins to drop significantly — and that's not likely.

Some employees have been using parking garages in the borough, which currently cost $54 per month. We suspect demand will continue to increase on campus and hope that, with the program outlined here, much of that demand can be accommodated.

If you have any suggestions for cutting down on vehicle use on campus, possible sites for future parking facilities, or ideas for helping us to keep the visual impact of structures on the environment to a minimum, while not increasing fees any more than necessary, please feel welcome to contact me or anyone in the Parking Office.

Parking expansion plans

HUB Lot, Brown F	350 spaces
Kern/Keller Parking Terrace	500 spaces
Red A west of Atherton Street	300 spaces
Lot 44 near Beaver Stadium	700 spaces
South of Shields Building	200 spaces

Defense contracts

Continued from Page 1

Penn State ranks eight overall among universities and non-profit organizations.

"Penn State is well placed in the changing defense research environment," David A. Shirley, senior vice president for research and dean of the Graduate School, said.

"The world-class quality of research carried out by faculty, staff, graduate students and undergraduates at Penn State keeps the University competitive in the light of decreasing defense research funding."

The top rankings are: Johns Hopkins University, $403.93 million; Massachusetts Institute of Technology, $400.18 million; Aerospace Corporation, $395.14; Mitre Corporation $247.86 million; Rand Corporation, $76.12 million; Institute for Defense Analyses, $73 47 million; Charles S. Draper Laboratory, $59.61 million, and Penn State, $56.36 million.

Other Pennsylvania universities receiving more than $10 million in contracts are Carnegie Mellon University, $47.66 million, and the University of Pittsburgh, $21.61 million.

Carpoolers

Tracy would like to carpool from Port Matilda to University Park. Her work hours are 8 a.m. to 5 p.m. Call 865-9031 or 692-7184 (after 6 p.m.)

Amy would like a non-smoking employee to carpool from Clearfield to University Park. Her work hours are 8 a.m. to 5 p.m. Call 863-2499.

The Aaronsburg Vanpool has space for three riders. Hours are 8 a.m. to 5 p.m. If interested, please call Ron at 863-1393.

Dean

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Achievement in Journalism.

Professor Brooks has considerable professional experience in her field. From 1968-1973, she was a columnist and reporter with *The Chicago Tribune*. Her Tribune column "Our Town" appeared twice weekly and addressed a wide range of topics from unrest and strife, prominent people, unsung heroes, and scoundrels, to out-of-the-way places that form the city of Chicago's personality. She also has published articles in *The New York Times'* Magazine, Week in Review, Science Times, Op Ed, and Travel sections. She also is published in *Harpers*, *Columbia Journalism Review*, and *The Village Voice*.

The recipient of a bachelor's degree from the University of Wisconsin, Madison with honors in journalism and French, she received her M.A. from St. John's College in Annapolis, Md., and Santa Fe, N.M. She completed studies in French literature and art at the Universite d' Aix-en-Provence and has done additional graduate study at the University of Chicago and NYU in contemporary international policies (China, France, and Latin America).

She is the author of three books, the most recent of which is Words' Worth: A Handbook on Writing and Selling Nonfiction. Her professional memberships include the Association of Schools of Journalism and Mass Communication, where last year she was a member of the Executive Committee and currently is a member of the Publications Committee.

In addition, she is a founding member of the National Writers Union; a member of the Association for Education in Journalism and Mass Communication; a member of the Executive Committee of The Hearst Awards Program; a member of the Advisory Board of the Center for War Peace and News Media, the National Organization for Women, and the Fulbright Alumni Association.

Focus on the arts

The arts on Channel 3

WPSX will air Michael Feinstein & Friends, a musical celebration of the great American composers of the 1920s, '30s and '40s, hosted by Michael Feinstein and featuring special guest stars Rosemary Clooney and Mercer Ellington conducting the Duke Ellington Orchestra. The program, taped live before an audience in a studio transformed into an elegant Chicago nightspot, will be broadcast at 9 p.m. Friday, June 12.

In his debut as television host, Mr. Feinstein sings and plays timeless love songs in his urbane, incomparable style. As an archivist of the golden age of American popular music, he also talks knowledgeably and affectionately about the lives, careers and cultural contributions of the great Broadway and Hollywood songsmiths.

American Playhouse, airing at 9 p.m. Wednesday, June 17, presents "O, Pioneers!" Set against the backdrop of the great Nebraska divide, this is the story of Alexandra Bergson, a pioneer Swedish immigrant whose life and soul are interwined with the land on which she lives.

In all her actions, Alexandra possesses an essential American spirit: the irrepressible desire to strive for a better life. Adapted from Willa Cather's story by Darrah Cloud and Kim D. Sherman, the film stars Mary McDonnell (*Dances with Wolves*) and Randall Mell.

Centre Stage show

"Brighton Beach Memoirs," Neil Simon's rich play about a boy dealing with family problems and puberty in late '30s Brooklyn, will open Wednesday, June 17, in the Pavilion Theatre at University Park.

Fifteen year-old Eugene Jerome lives with his parents, brother, aunt, and two female cousins. Life in this overcrowded home, coupled with Eugene's uncontrollable hormones, creates many humorous and painful scenes that capture the essence of the troubled times.

"Brighton Beach Memoirs" plays at 8 p.m. June 19, 20, 23-27, and 30 and July 1-4. Preview performances are June 17 and 18. Saturday matinees are at 2 p.m. June 20 and 27.

For ticket information, contact the Eisenhower Auditorium Ticket Center from 8 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

Film discussion

Eiichi Hamanishi, director general of the Japan Foundation in New York, will visit University Park June 16-17 as part of the Summer Film Festival of Japan to be held during the week of June 14 through June 20. The Japan Foundation is supporting the festival through a grant.

Mr. Hamanishi will discuss the Japanese film, "The Funeral," by well-known director Juzo Itami, on Tuesday, June 16. The films during the festival will be shown at 7 p.m. in Cinema Room 113 of Carnegie Building. The series, which is free to the public, is sponsored by the Center for East Asian Studies, Office of Summer Sessions, and the School of Communications.

Mr. Hamanishi has been with the Japan Foundation since 1973, serving in its headquarters in Tokyo and branch offices in Bangkok, Los Angeles, and Kyoto. His career has included appointments with the Japan External Trade Organization in Los Angeles and the Ministry of Foreign Affairs as Consulate General of Japan in Chicago.

Mr. Hamanishi, who holds a master's degree in East Asian Languages and Literature from the University of Wisconsin at Madison, has taught courses in Japanese language, culture and civilization at the University of Minnesota and in American studies at the Kyoto University of Foreign Studies.

For further information, contact Parris H. Chang at 865-1698.

Music at Penn's Woods

Season subscription and single performance tickets for Music at Penn's Woods, the summer orchestral and chamber music festival at University Park, are available at the Eisenhower Auditorium Ticket Center and Schwab Auditorium Box Office.

Saturday concerts will be presented June 27 and July 4, 11, and 18 at 7:30 p.m. The June 27 concert will be in Eisenhower Auditorium; the July 4, 11 and 18 concerts will be in Schwab Auditorium. This year's concert themes are: "Discover Beethoven," "Discover America," "Discover the Arts" and "Discover Russia."

Free chamber music recitals will be performed Sundays, June 28 and July 5 and 12 at 3 p.m.; and Wednesdays, July 1, 8, and 15, at 7:30 p.m. in the School of Music Recital Hall.

Music at Penn's Woods, a program of the School of Music, brings together gifted musicians from colleges and universities across the country for a month-long residency at Penn State.

For more information, contact the Eisenhower Auditorium Ticket Center, 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

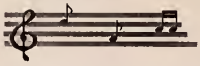


Exhibit displayed

An exhibit of drawings, photographs and documents illustrating the methods used by the Historic American Building Survey and Historic American Engineering Record to document buildings, structures and properties of historic significance is on display in the Department of Architecture Gallery, second floor Engineering Unit C, at University Park through July 15.

Founded in 1933, the Historic American Building Survey and Historic American Engineering Record are divisions of the National Parks Service. The programs have documented more than 22,000 properties. Priority is given to recording structures of national significance and those that are endangered.

The exhibit explains how a structure is recorded by presenting the building survey documentation of Scotty's Castle, Death Valley, Calif., and the engineering record documentation for the Avery Island Salt Works in Louisiana.

Exhibit hours are 8 a.m. to 4 p.m. Monday through Friday.

Crafts National 26

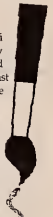
Crafts National 26, a juried exhibition of contemporary crafts, is on display through Sunday, July 26, in the Zoller Gallery at University Park.

The exhibition represents a variety of media and techniques in works of fiber, ceramics, glass, metal, wood and handmade paper by artists from around the country.

The exhibition, which is free to the public, is co-sponsored by the Central Pennsylvania Festival of the Arts, the Pennsylvania Council on the Arts and Zoller Gallery, the School of Visual Arts, and the Office of Summer Session.

Zoller Gallery is located in Room 101 of the Visual Arts Building. Summer hours are 10 a.m. to 4 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Pattee exhibits



"New Classic Paintings" by Xi Dan and "Life and Dream" by Ningyu Jiang will be exhibited together in Pattee Library's East Corridor Gallery through June 20.

The two-person exhibition features paintings done in styles that complement each other. Dan earned a bachelor of arts degree from Luxan Academy of Fine Arts in China and Jiang is a graduate student in the Department of Art Education at Penn State.

Private Giving

Alumni couple donate $50,000 for Convocation and Events Center

Penn State alumni **Robert** and **Judith Klein** of Philadelphia have given $50,000 to the University's campaign to raise $20 million to private funds for a new Academic/Athletic Convocation and Events Center.

The funds are being added to a $33.8 million state appropriation for the center, which will host academic, athletic, cultural and entertainment events.

Robert Klein, a 1948 Penn State graduate in commerce and finance, is president of Three Springs Water Co. of Laurel Run and retired chairman and chief executive officer of Alliance Wall Corp. of Atlanta, Ga.

Judith Klein, a 1947 graduate of the College of the Liberal Arts, has long been involved in civic and charitable activities in the Lehigh Valley.

The Kleins also have long been involved as volunteer leaders for Penn State. Judy currently serves as a member of the National Development Council, Penn State's highest level fund-raising advisory body. Robert Klein, a former president of the Penn State Alumni Association, also leads fund-raising efforts for the Convocation Center campaign in the Philadelphia area.

The University's Board of Trustees approved preliminary architectural plans for the structure in March, and it is expected to be open during the 1994-95 winter sports season. It will contain about 16,500 seats, making it the largest indoor arena between Philadelphia and Pittsburgh and the third largest in the Big 10 Conference.

Fund raising for the Convocation Center began in April 1991. Gifts and pledges now exceed $18 million

University Park Calendar

June 11 - June 28

Special Events

Thursday, June 11
"Diversions," music at noon, Fisher Plaza. Andrew Jackson.
Friday, June 12
"Diversions," ice cream, 7-8 p.m., Creamery/Pavilion. Music by Bavarian Stompers.
Shaver's Creek, 8-10 p.m., Owl Prowl. Call 863-2000.
Saturday, June 13
■ Talk, 3:30 p.m., 112 Walker. Wayne Myers on "India: Prospects for Natural Resources Sustainability."
Nittany Knights
Barbershop Chorus of State College, 8 p.m., Eisenhower Aud. The Alexandria Harmonizers.
Sunday, June 14
Shaver's Creek, 2-3:30 p.m., Low-Impact Camping. Call 863-2000.
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "A Taxing Woman."
Monday, June 15
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "The Family Game."
"Diversions," bowling, 7-9 p.m. or 9-11 p.m., Penn State Lanes.
Tuesday, June 16
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "The Funeral."
"Diversions," music at noon, Fisher Plaza. Richard Victor Quintet.
Wednesday, June 17
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "Sorekara."
"Out of The Past," 7-9 p.m., Schwab Aud. William Haviland, Univ. of Vermont, on "The Hearth."
PA Centre Stage, "Brighton Beach Memoirs," 8 p.m., Pavilion Theatre. Also through June 19, 23-27, and 30.
Film, dusk, HUB lawn. "Tootsie." (Rain location, 9 p.m., HUB Assembly Room.)
Thursday, June 18
"Diversions," music at noon, Fisher Plaza. Tom Long.
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "Beijing Watermelon."
Friday, June 19
Symposium, 8:45 a.m.-5 p.m., 110 Wartik. William Lands, NIAA, Dept. of Human Services, on "Fish and Human Health."
Ice Cream "Diversions," 7-8 p.m., Creamery/Pavilion. Gordon Law.
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "Samurai, Part 2: Duel at Ichijoji Temple."
Saturday, June 20
PA Centre Stage, "Brighton Beach Memoirs," 2 p.m., Pavilion Theatre. Also June 27.
■ Japanese Film Festival, 7 p.m., 113 Carnegie. "Samurai, Part 3: Duel on Ganryu Island."
Sunday, June 21
Shaver's Creek, 2-4 p.m., Winged Hunters. Call 863-2000.
Monday, June 22
Journalists' Symposium,, 9:30 a.m. and 1:30 p.m., Assembly Room, Nittany Lion Inn. "Running Story: The New Europe and the World Economy."
Tuesday, June 23
"Diversions," music at noon, Fisher Plaza. Touch of Steel.
Workshop, 1:30-4:30 p.m., 113 A Chambers. "Using Drama with the Elementary School Classroom." Register, Daniel Hade, 865-2161.
Wednesday, June 24
"Out of the Past," 7-9 p.m., Schwab Aud. Craig Morris, American Museum of Natural History, on "Artisans and Traders."
Film, dusk, HUB lawn. "Moonstruck." (Rain location, 9 p.m., HUB Assembly Room.)
Thursday, June 25
"Diversions," music at noon, Fisher Plaza. Passport.
Workshop, 2-3 p.m., Schlow Memorial Library. Molly Bang on "Picture Books for Children."
"Diversions," ice skating, 8-11 p.m., Penn State Ice Rink.
Friday, June 26
Ice Cream, "Diversions," 7-8 p.m., Creamery/Pavilion. Deacons of Dixie.
Saturday, June 27
Shaver's Creek, 7-8:30 p.m., Beavers By the Bridge. Call 863-2000.
Music at Penn's Woods, 7:30 p.m., Eisenhower Aud. "Discover Beethoven."
Sunday, June 28
Music at Penn's Woods, chamber concert, 3 p.m., Recital Hall.
Shaver's Creek, 8:30-10:30 p.m., Summer Stargazing Program II. (Cloud date Monday, June 29). Call 863-2000.

Penn State student Jeff Scowron plays the lead role at Eugene Jerome in the upcoming Pennsylvania Centre Stage production of "Brighton Beach Memoirs" in the Pavilion Theatre at University Park. The show opens Wednesday, June 17 and runs through July 4.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

June 11-13. Child Relationship Enhancement Family Therapy. Louise Guerney, chair; Kathy Karchner, coordinator.
June 11-14. International Conference on Molecular Evolution; 300 attendees; Nittany Lion Inn/Residence Halls; Thomas Whittam, chair; Jack Sinclair, coordinator.
June 13. Nittany Knights; 200; Nittany Lion Inn; Jack Sinclair, coordinator.
June 14. Big 10 Audit Conference; 35; Nittany Lion Inn; Anthony Domin, chair; Roger Maclean, chair.
June 14-20. Elderhostel III; 45; Jack Sinclair, coordinator.
June 14-July 3. Leadership Institute in STS Education; 30; Residence Hall; Peter Rubba, chair; Kathy Karchner, coordinator.
June 14-July 25. High School Intensive Language; 60; Jeannette Bragger, chair; Barb Impellitteri, coordinator.

Seminars

Thursday, May 28
Thursday, June 11
Summer Sessions seminar, 4 p.m., Nittany Lion Inn, Fireside Lounge. Roy Hammerstedt on "Biological Consequences of Space Travel." Reception, 3:30 p.m.
Thursday, June 18
Summer Sessions seminar, 4 p.m., Nittany Lion Inn, Fireside Lounge. Patricia Bianconi on "A Synthetic Analog of the Biomineralization Process."

Exhibits

Hetzel Union Art Galleries:
Formal Gallery, Browsing Gallery:
Central PA Festival of the Arts: Mixed Media, June 30-July 31.
Pattee Library
East Corridor Gallery:
Xi Dan, "New Classic Paintings," and Ningyu Jiang, "Life and Dream", through June 30.
Rare Books Room:
Pochoir: The Art of the Stencilled Book, June 15-Aug. 14.
Zoller Gallery
Crafts National 26, a juried exhibition of contemporary crafts, through July 26.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
■ **Reflects an international perspective**

Faculty/Staff Alerts

Noon-hour courses

The Human Resource Development Center and Continuing Education are offering the following three-credit courses for University employees during Summer Session 1992:

Business Law 243 and English 015 meet from 11:45 a.m. to 1 p.m., Monday, Tuesday, Wednesday, and Thursday.

The courses are part of the Business Management and Business Administration Certificate Programs offered through Continuing Education. An academic counselor is available to help with course selection.

For information, contact the Human Resource Development Center at (814) 865-3410 or the Continuing Education Office at (814) 865-3443.

General Stores Catalogs

General Stores 1992 catalogs are now available. The new books feature an expanded product line, at a 27 percent discount, and next-day delivery of most items.

If you have not received your catalogs, please call General Stores at 863-0317 and your books will be forwarded immediately.

Items from the Big Book and the Best Buy Book can be purchased conveniently, via on-line IBIS communication, telephone, requisition invoice or standing order.

Employment of Minors

Supervisors are reminded that the Pennsylvania Child Labor Law requires that an employment certificate (sometimes referred to as "working papers") be obtained before any minor begins working for the University. A minor is anyone under age 18 who has not graduated from high school, or who has not been declared by the high school as having attained maximum academic potential in lieu of graduation. THE MINIMUM AGE FOR UNIVERSITY EMPLOYMENT IS AGE 16.

The employment certificate is issued by the minor's school authorities and, except for the transferable work permit, must be kept on file by the Employment Division or appropriate business or human resources office at facilities away from University Park. When a minor ceases employment, the Employment Division or appropriate business or human resources office must be notified so that the certificate can be returned to the issuing high school, or to the minor, as appropriate.

Supervisors are asked to review University policy PS-2, Employment of Minors, before committing employment to a minor.

Reactor Open House

The new control panel at the Breazeale Reactor at University Park was a focus of attention at an open house on Saturday, May 30. The Breazeale Reactor, the longest continuously operating nuclear facility at an American university, has been named a National Historic Landmark by the American Nuclear Society.

Photo: Greg Grieca

Obituaries

Ruth C. Hohenbury, clerk, mailing room, College of Agricultural Sciences, from Jan. 1, 1925, until her retirement July 1, 1961, died April 10. She was 95.

Carol E. Peterson, manager of dining halls, Housing and Food Services, from July 18, 1955, until July 20, 1974, died April 6 at the age of 79.

Grace V. Wilson, group leader, snack bar worker, Housing and Food Services, from Jan. 14, 1970, until her retirement May 21, 1983, died May 19. She was 71.

Gladys M. Monn, food preparer, Penn State Mont Alto Campus, from April 1, 1960, until her retirement July 1, 1974, died April 12 at the age of 83.

H. Tate Ames, research assistant, College of Earth and Mineral Sciences, from Feb. 1, 1957, until his retirement June 30, 1984, died May 3 at the age of 67.

News in Brief

Visiting faculty member

Ulrich Brunner, lecturer at the Teachers Training College in Zurich, Switzerland, has joined the Center for Bioremediation and Detoxification of the Environmental Resources Research Institute as visiting faculty.

Dr. Brunner will be working in the Laboratory of Soil Biochemistry on a bioremediation project until October, when he will return to Switzerland.

Workshop scheduled

John Warren Stewig, professor of education at the University of Wisconsin-Milwaukee, will present a workshop, "Using Drama with the Elementary School Classroom," on Tuesday, June 23, at University Park.

Dr. Stewig is a leading authority on children's book illustration and language arts education. The workshop will be held in room 113A Chambers building from 1:30 p.m. to 4:30 p.m.

The workshop is free, but registration is required. Call **Daniel Hade**, (814) 865-2161, to register.

Summer symposium

The Department of Nutrition and the Summer Sessions Office are co-sponsoring a symposium from 8:30 a.m. to 5 p.m. Friday, June 19, in 110 Wartik Laboratory at University Park.

William Lands, director of basic research, NIAA, National Institute of Health, will give the keynote address on "Fish and Human Health." He will followed by prominent scientists from Penn State and other health industries who will discuss issues ranging from the basic understanding of omega-3 fatty acid metabolism to health implications of fish and fish products.

The symposium is open to University students, staff and faculty, and the general public. For further information, contact **Shelly Bynum** at (814) 863-0772.

Talk on India

Wayne Myers, associate professor of forest biometrics in the School of Forest Resources, will speak on "India: Prospects for Natural Resources Sustainability" at 3:30 p.m. Saturday, June 13, in Room 112 Walker Building at University Park.

Dr. Myers spent two years in India as technology adviser for the USAID Mission in New Delhi working on social forestry and natural resources sustainability. His talk, which is open to the public, is sponsored by Parivartan, a Penn State-based organization dedicated to helping the needy people of India.

Bookstore inventory

The Penn State Bookstore on Campus will close for inventory at 1:30 p.m. Friday, June 26. The General Book and Art and Engineering Departments will be closed all day June 26. The bookstore will reopen from noon to 5 p.m. Saturday, June 27. Please contact Steve Cady at 863-3296 if you have any questions.

Focus on Research

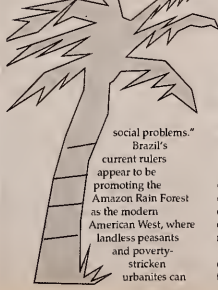
Destruction of Amazon Rain Forest is "well-planned campaign"

Hit songs such as Madonna's "Don't Bungle the Jungle" are not enough to save the Amazon Rain Forest from a calculated political strategy, according to a University economist.

"The massive destruction of the Amazon Rain Forest is neither willy-nilly nor accidental," said **Michael Drohan**, assistant professor of economics at the McKeesport Campus near Pittsburgh. "It has been a well-planned campaign initiated by the Brazilian military after its 1964 coup d'etat that is still being carried on, despite an international crusade led by politicians, actors, artists and pop singers."

The destruction of the Amazon ecosystem is driven by the enormous inequities in the political economy of Brazil and surrounding countries, he added.

"In order to preserve the present system of widespread poverty and elite privilege, the Brazilian military, which controlled the country's governmental and economic policy from 1964 to 1984, used the Amazon basin as a release valve for a host of agrarian and social problems."



Brazil's current rulers appear to be promoting the Amazon Rain Forest as the modern American West, where landless peasants and poverty-stricken urbanites can make their fortune. In reality, only the big landowners and industrialists have prospered from developing the rain forest.

Dr. Drohan cited a current government program called Projeto Calha Norte or Project of the Northern Channel, which, in name of national security, has converted much of the northern border of Brazil into a 100-mile-wide corridor with airports and military installations.

The true purpose of Projeto Calha Norte has been to develop mining, lumbering, ranching and other types of economic development. Financing for many of the projects in the Amazon basin has come from international development agencies such as the World Bank.

"Much of the land has proved incapable of sustaining intensive agriculture, a result that could easily have been foreseen with an analysis of subsoil quality," Dr. Drohan said.

"Furthermore, the extraction of mineral reserves has so far yielded poor economic returns and has only aggravated the foreign debt. The enormous wealth of the Amazon Rain Forest has been bartered away with little benefit to the people of Brazil."

Apart from its disastrous impact on the environment, Projeto Calha Norte could spell doom for the native Indian Population.

From his visits to many parts of the Amazon basin, Dr. Drohan said, "It is possible that, by the end of the century, the Amazon Rain Forest will have been destroyed, causing oxygen depletion of the atmosphere; accelerating the greenhouse effect; wiping out entire species of plant, insect, bird and animal life; and wiping out the indigenous Indian peoples."

The rain forest is not a monolithic expanse of river and forest, but contains many very different ecosystems and habitats. For example, the southwestern region is a major rubber-producing region.

"There, the fight of the forest dwellers is to preserve the rubber trees, their livelihood, from those who want to convert the land to ranching," Dr. Drohan said.

The northwestern region, embracing the state of Roraima, has enormous deposits of gold and other minerals, which attract "brancos" or whites who have spread malaria and measles among the Yanomami Indians.

The region north of the Amazon basin boasts extremely rich deposits of iron, copper, manganese, aluminum, nickel and tin.

"Smelting iron ore requires cutting thousands of square miles of forest to supply charcoal for the blast furnaces," Drohan explained. "Generating electricity to reduce bauxite to aluminum has demanded flooding enormous areas of some of the Amazon's main tributaries.

"The short-term windfalls from precious woods, minerals, land speculation and ranching are high. Since in capitalistic economies, the short term is of paramount importance, the destruction of the Amazon Rain Forest is likely to continue."

Michael Drohan

According to Dr. Drohan, the salvation of the rain forest would demand far-reaching economic changes in the countries that share the Amazon basin.

"As long as massive poverty and landlessness exist, there will be the temptation to use the 'empty' Amazon to resolve the problem," he noted "Only by a redistribution of existing land and wealth, however, can the Amazon be saved and poverty eliminated."

— Paul A. Blaum

Forests in the Amazon basin are being felled at an alarming rate. This picture shows the destruction that is not only harming the environment, but plunging native Indians further into poverty.

Awards

Four in engineering acknowledged for service

Four faculty and staff members in the College of Engineering have received awards from the College and the Penn State Engineering Society for service beyond their usual duties.

E. Emory Enscore Jr., professor of industrial and management systems engineering, received the 1992 Faculty Service Award.

Dr. Enscore serves as IE assistant department head and is the departmental co-op adviser. His many activities include chairing various departmental committees and participating in several college- and University-level advisory boards. He has served on the Faculty Senate almost continuously since 1977. He is a past chair of Centre Area Transportation Authority and serves on the State College Water Authority.

Marilyn Day, administrative aide in the Department of Engineering Science and Mechanics, plans, coordinates and implements department activities from technical conferences to personnel concerns. She also edits the department and alumni newsletters.

Active in the University community, she has served on the College of Engineering Staff Awards Committee and the Advisory Committee and chaired the University-wide Staff Discrimination Review Committee. She worked with the Faculty and Staff Challenge in 1988 and on the 100th Year Anniversary Campaign for United Way in 1987.

Kenneth H. Dixon, a retired technician in the Department of Industrial and Management Systems Engineering, maintained equipment, built research equipment and assisted in undergraduate and graduate courses in the manufacturing laboratories. He holds a Journeyman Machinist Certificate.

He has been active in the Harris Township Lions Club for 21 years and currently serves as first vice president. He is a member of Centre County's Lion Club Foresight Committee and served as chair of the White Cane Days fund-raising project. He also served on the board of Centre County's Sight-Loss Support Group.

John R. McKee, coordinator of engineering research funds, oversees the proposal and grant/contract administration system in the College of Engineering.

He oversaw development of the Cost Proposal System, a user-friendly software system used to construct, trouble-shoot and produce final-quality proposal budgets. The software system was acclaimed at a national meeting of the Society of Research Administrators and resulted in two journal articles.

Pennsylvania College of Technology honors many

The Pennsylvania College of Technology has presented a number of teaching and service awards.

Richard Grubb, recognized by Penn College as Penn State's "administrative point-person" during the negotiations linking the two institutions, received the 1992 College Service Award.

Dr. Grubb, retired senior vice president and dean of the Commonwealth Educational System, has served as vice-chairman of Penn College's Board of Directors since the College became a Penn State affiliate in 1989. He retired from the Board last month.

Vern Pidcoe, retired director of the Bureau of Laboratories for the Pennsylvania Department of Health, was honored as Penn College's 1992 Alumnus of the Year.

A 1945 graduate of one of the College's forerunners, the Williamsport Technical Institute, Dr. Pidcoe served the state Department of Health for 38 years. He is known in the public health field for investigating Legionnaires' disease in 1976, and for establishing innovative programs assuring the quality of health laboratory services in the state.

Three College faculty members have been honored with Distinguished Teaching Awards.

The highest level of recognition, the "Master Teacher Award," was presented to **Frederick J. Rankiney**, professor of civil engineering technology. **Linda M. Barnes**, assistant professor of occupational therapy assisting, and **Kevin R. Derr**, legal assistant instructor, received "Excellence in Teaching Awards."

In addition to public recognition and the opportunity to work on special projects, the Distinguished Teaching honors include cash awards sponsored by the Penn College Foundation. The Master Teacher Award recipient receives $1,000. The Excellence in Teaching Award honorees each receive $500.

Since 1982, 32 full-time faculty members have been honored for their excellence in teaching and outstanding service to students.

Assistant professor garners first Excellence in Teaching Award

Ann D. Summerall-Jabro

Ann D. Summerall-Jabro, assistant professor of broadcast/cable, has been awarded the first Excellence in Teaching Award sponsored by the School of Communications Constituent Alumni Society.

Dr. Jabro was presented the award by the Society's president, James R. Wiggins (a 1972 Penn State graduate and vice president of corporate communications at Merrill Lynch & Co.), at the School's annual scholarship awards banquet.

The award acknowledges and honors outstanding faculty for exemplary contributions, competence and overall dedication to the art of teaching. Nominees are judged on overall competence in the subject, ability to inspire students, participation in extracurricular activities, and success in improving the tools and/or condition in teaching.

Dr. Jabro's teaching courses include introduction to audio video, mass media and the public, and theory of technical video production. Her research interests include combatting literacy through technology; evaluation of communication competency through nonverbal expression, and message creation for public relations.

She received her M.A. in journalism and Ph.D. in speech communication from Penn State University and her B.A. in radio-television-film from Temple University.

Book on Pulitzer's life wins award for associate dean

Daniel W. Pfaff, associate dean of the School of Communications, has won the annual Frank Luther Mott-Kappa Tau Alpha award for the best researched book about the media published in 1991.

Dr. Pfaff received a $1,000 award and plaque for his book, *Joseph Pulitzer II and the Post-Dispatch: A Newspaperman's Life*, published by the Penn State Press.

Dr. Pfaff gathered material for the biography at Columbia University, the Library of Congress, the *St. Louis Post-Dispatch* and in interviews with people who had known and worked with Mr. Pulitzer, who died in 1955. He also had the full cooperation of the Pulitzer family, but with the understanding that the book was not to be an "authorized" biography.

The second Joseph Pulitzer became editor-publisher of the *Post-Dispatch* shortly after his father's death in late 1911. Under his leadership, the newspaper achieved both national and international recognition for the thoroughness and thoughtfulness of its news and editorial coverage.

The Mott-KTA Award is named for the late Frank Luther Mott, one of the country's leading journalism historians and for many years the national president of Kappa Tau Alpha, the honorary society in journalism and mass communications.

Awards

Two named recipients of Alumni Service awards

The Penn State Alumni Association has presented the 1992 Philip Philip Mitchell Alumni Service awards to **Roy C. Buck** and **John C. Good**. The award, established in 1980 by Elizabeth and Philip P. Mitchell, recognizes alumni who have contributed a significant amount of time, talent and resources to the University.

Dr. Buck is professor emeritus of sociology and social science. He is being recognized for his extensive post-retirement involvement with University students and faculty.

Mr. Good, senior vice president-at-large of the F.A. Bartlett Tree Expert Company, is being honored for his outstanding dedication to the Penn State Mont Alto capital campaign and enhancement of the Mont Alto forest technology curriculum.

After 32 years of service, Dr. Buck retired from the University in 1981. His research interests focus on the Amish people of Pennsylvania, and he continues to publish in periodicals such as Current Sociology and Housing and Society.

Since his retirement, he has served as an adviser to freshman students and has taught a freshman seminar course. He has established three endowments fostering undergraduate scholarship and faculty research of minority cultures in the College of the Liberal Arts.

Mr. Good, a 1941 graduate, has played a vital role in launching the Mont Alto campaign. In addition to his personal gifts to the campus, he has been instrumental in securing contributions from the F.A. Bartlett Tree Expert Co., which supports Mont Alto's Field Day and Forestry Club as well.

He also serves on the School of Forest Resources Board and the Mont Alto Advisory Board. He is working with Penn State and the Pennsylvania Bureau of Forests and Waters to administer the $400,000 America the Beautiful Grant. On a volunteer basis, he is an arboriculture lab instructor at Penn State Mont Alto.

Delaware Campus gives Teacher of the Year awards

John R. Ousey

John R. Ousey, assistant professor of environmental science, and **Lonnie M. Golden**, assistant professor of economics, at the Penn State Delaware County Campus, have been named co-winners of the campus' Teacher of the Year award.

Dr Ousey, a member of the campus faculty for 22 years, previously received the award in 1975. In addition to his undergraduate teaching in the earth sciences, he is an active consultant to government and businesses in the field of hydrogeology.

Dr. Ousey received his undergraduate education at LaSalle University and holds masters' degrees from Penn State and Drexel. He received his doctorate in earth science study from Penn State.

Prior to joining the campus faculty in 1970, he taught in the Cheltenham Township School District in suburban Philadelphia.

Dr. Golden has done extensive academic research on a variety of economic issues, including wages, work weeks, unions, labor supply, hours of work, temporary help and older workers.

Prior to joining the campus faculty in 1990, he taught at Temple University, John Carroll University, Cleveland State University and the University of Wisconsin-Whitewater.

He received his undergraduate, master's and Ph.D. degrees from the University of Illinois, Urbana.

Lonnie M. Golden

CEO honored for achievements

Frank W. Luerssen, chairman of the board of directors and chief executive officer of Inland Steel Industries, Inc., has received the 1992 David Ford McFarland Award for Achievement in Metallurgy.

The McFarland Award, established in 1948, is presented by the Penn State Chapter of the American Society for Metals International to provide recognition to University graduates who distinguished themselves in the field of metallurgy.

Significantly, the first McFarland Award recipient was Mr. Luerssen's father, George V Luerssen, a 1915 graduate in metallurgy and then chief metallurgist for the Carpenter Steel Company in Reading, PA.

Frank Luerssen received his B.S. in physics from Penn State in 1950, and M.S. in metallurgical engineering from Lehigh University a year later. He joined Inland Steel in 1952. He was named a Penn State Distinguished Alumnus in 1984 and Alumni Fellow in 1989.

For a decade, Mr. Luerssen has directed Inland Steel Industries, a Chicago-based management company with operations in the integrated steel and steel service centers businesses. Steel operations include Steel Company's Indiana Harbor Works and two joint ventures with Nippon Steel Corporation.

He was elected to the National Academy of Engineering in 1977 and has served on several advisory panels of the National Research Council. He is a member of the board of directors of the International Iron and Steel Institute and, since 1982, of the American Iron and Steel Institute.

His honors include the American Iron and Steel Institute's Gary Medal and the Benjamin Fairless Award of the American Institute of Mining, Metallurgical and Petroleum Engineers. He is a fellow and distinguished life member of the American Society for Metals International.

College of Arts and Architecture

Teaching award bestowed on three faculty members

Three faculty members in the College of Arts and Architecture have been honored for outstanding teaching. Nominations for the awards were made by students, faculty and administrators.

Emma S. Rocco, associate professor of music at the Penn State Beaver Campus, was described as "being wholly committed to teaching and an ideal role model on the Beaver Campus."

Katsu Muramoto, assistant professor of architecture, was commended for his willingness to spend time with students, monitoring and encouraging their progress outside of the classroom.

Patrick Trimble, instructor in integrative arts, who teaches large lecture sections of general education courses to thousands of students each year, was cited for the quality and rigor of his instruction.

Public symposium to focus on European economy

The worldwide significance of the economic integration of Western Europe will be the focus of a symposium, "Running Story: The New Europe and the World Economy," on June 22 in the Assembly Room of the Nittany Lion Inn at University Park.

The two-session symposium is open to the public, with the morning session, "New Arrangements in Europe and Beyond," starting at 9:30 a.m. and the afternoon session, "Media Coverage of International Economics," starting at 1:30 p.m.

A panel of renowned journalists and economists will discuss the centrality of the European Community to the world economic order of the next century and its impact on the United States. They also will consider how well the press is explaining this complicated and evolving topic.

The moderator and panelist is **Eric Bond**, professor of economics at Penn State. Other panelists are **Howard M. Wachtel**, professor of economics at American University; **Murray Seeger**, assistant director of External Relations Department, International Monetary Fund; and **Gottfried Haas**, counselor, Press and Information, Embassy of the Federal Republic of Germany, Washington, D.C.

Dr. Bond's areas of interest are in international trade and investment, applied microeconomics and markets for durable goods. He has worked on taxation, tax and tariff policies, tax holidays and multinational firm behavior and other aspects of taxation and international trade.

Dr. Wachtel writes about world economy and international money, labor and the American economy, and economic transformation in the planned economies of East-Central Europe, the Soviet Union and the Third World. He is the author of *The Money Mandarins: The Making of a New Supranational Economic Order*, *Labor and the Economy* and *Workers' Management and Workers' Wages in Yugoslavia*.

Mr. Seeger was named assistant director for the External Relations Department of the International Monetary Fund in 1990, following a long career as a journalist in the United States, Europe and Asia. He has worked for distinguished media including the *New York Times*, *Newsweek*, *Los Angeles Times*, KYW radio and TV, and has served in public affairs for organizations such as the AFL-CIO.

A graduate of the University of Berlin, Dr. Haas was in charge of press, cultural and consular affairs at the West German embassy in Sofia, Bulgaria, from 1974 to 1977 and then became assistant to the deputy foreign minister in Bonn in 1977. He came to the United States in March 1991 as counselor for Press, Information and Public Affairs at the Federal Republic of Germany's embassy in Washington.

Issues in Criticism

Three public lectures scheduled for June in Kern

Historicisms and Cultural Critique is the title of the second annual seminar on Issues in Criticism, June 25-30, sponsored by the Department of English and the Office of Summer Sessions. Three public lectures are scheduled in connection with the seminar, all in 101 Kern Graduate Building at University Park.

Professor **Brook Thomas** will speak on "The Bostonians and the Construction of Privacy" at 8 p.m. Thursday, June 25. Professor of English and comparative literature at the University of California, Irvine, he is the author of *The New Historicism and Other Old-Fashioned Topics* and *Cross-Examination of Law and Literature*.

Professor **Wai Chee Dimock's** presentation on "Men at Leisure, Women at Work: Class, Gender and Cultural Critique" will be at 3:30 p.m., Friday, June 26. A faculty member in the Department of English at the University of California, San Diego, he is the author of *Empire for Liberty: Melville and the Poetics of Individualism* and the forthcoming *Symbolic Equality: Political Theory, Law and American Literature*.

Professor **Marjorie Levinson** of the University of Pennsylvania will speak on "Nature and History" on Monday, June 29 at 8 p.m. She is the editor of *Rethinking Historicism* and author of numerous studies in the English Romantic period, including *Keat's Life of Allegory: The Origins of Style*.

University Libraries offer easy electronic access

Photo: Greg Grieco

The University Libraries now offer both in-house and remote access to ERIC, a major educational database produced by the U.S. Office of Education's Educational Resources Information Center.

The ERIC database provides electronic access to over 760,000 records related to education and many other subject areas, including social sciences, health and nutrition, psychology, work and leisure, education-related legislation, communication, and professional development.

Features of ERIC include access to the indexes of over 750 periodicals and thousands of documents such as conference papers, curriculum guides, topical research reports and much more. Many ERIC documents are available in the Microforms area of Pattee Library and Penn State Harrisburg, and many of the indexed educational periodicals are in the Libraries' collections.

ERIC is available only to University faculty, staff, and students; users must be registered currently with the Libraries. Users who have not borrowed materials from the Libraries are not registered. Registration cards are available at any of the circulation desks in the libraries on the University Park Campus, CES locations, Penn State Harrisburg, and Penn State-Behrend.

Access to ERIC is through the Library Information Access System (LIAS). To access LIAS via computer from home, office, or residence hall in the State College area, simply dial 865-LIAS (865-5427) or connect to the Internet (lias.psu.edu). Access to LIAS also is available over the Penn State network. If ERIC access is desired, once connected to LIAS, type SEL ERIC. If you are a registered library user, you will be connected automatically.

For more information or assistance with ERIC, call 865-2112 or 865-3612 during regular business hours. Online help also is available by typing HELP COMMANDS.

LIAS now has expanded searching capabilities

In a continuing effort to enhance the Library Information Access System (LIAS), the University Libraries now offer expanded searching capabilities - keyword searchin - of the online catalog.

Keyword searching is designed to complement standard searching (i.e., the type of search done with the "search" command). Keyword searching retrieves the words requested wherever they appear in the author, title, series, or subject fields on the LIAS record.

Standard search results depend on the order in which words are placed in a search request. In a keyword search, words do not need to be entered in a certain order to successfully retrieve items from the catalog. A keyword search on "modern art" retrieves catalog entries on "art, modern" as well as "modern art."

Keyword searching is helpful when you are unsure of the correct format of an author's name or the order of words in a title. It also is useful when a known subject heading does not retrieve enough records through a standard search.

For more information or assistance with keyword searching, online help is available by simply typing HELP KEYWORD to access online help screens. Help sheets also are available in the Libraries.

Partings

Associate professor halts 34-year career in sciences

Bruce Knox

Bruce Knox, associate professor of materials science and of science, technology, and society and assistant director of the Materials Research Laboratory, has retired after 34 years service.

Dr. Knox received a B.S. degree in chemistry from Rensselaer Polytechnical Institute, M.S. in chemistry from Syracuse University, and Ph.D. in fuel technology from Penn State. His research and teaching focused on materials characterization, thin film disposition, materials science and engineering education along with a continued interest in the Science, Technology, and Society Program and the humanities.

An active member of the STS faculty since 1979, Dr. Knox has taught both the materials and the energy courses for years. He directed a three-year effort to develop a series of 80-90 video modules for STS: Current Issues in Science, Technology and Society. One particular interest has been in materials science education. He is a member of the editorial board of the Journal of Materials Education as well as a member of the Materials Education Council.

Dr. Knox was instrumental in planning and building the Research Office Building adjacent to MRL. He continues to be directly involved in the planning of the new Research Building soon to be constructed at University Park.

Active in Centre County community affairs, he and fellow members of the Sycamore Community helped to start the Youth Service Bureau in 1968. After 10 years of service, he was honored with an award named in his honor to be given to each of five local high school students for their outstanding community service.

Currently he is training to be a divemaster, which involves numerous hours in classroom and water training. It will qualify him to take groups out scuba diving and to assist in the training of divers.

Dr. Knox has managed to encourage his wife, Sue, and son, John, to take up the sport. Plans are in the works for a scuba trip to the Western Pacific. When he is not in the water, he promises to continue work with the STS program.

Penn State Erie - The Behrend College

Assistant professor retires

Robert E. Monahan, assistant professor of accounting at Penn State Erie, The Behrend College, has retired after 27 years service.

Robert E. Monahan

Professor Monahan earned a bachelor's degree in commerce and finance from Penn State in 1952 and master's degree in economics from the former Gannon College in 1968. He joined the Penn State-Behrend faculty in 1965 as an accounting instructor and was promoted to assistant professor in 1969.

While affiliated with Penn State-Behrend, he served on the Personnel Committee at both the school and division level, and on the Scholarship and Awards, Athletic, and Penn State-Behrend Anniversary committees.

An expert in the field of accounting for non-profits, Professor Monahan contributes many hours of uncompensated accounting services to Erie-area minority service providers, as well as minority-owned businesses. A former Penn State-Behrend Accounting Club advisor and golf coach. He is a partner in the firm of Monahan and Monahan, C.P.A.

Supervisor of police and safety ends 22 years of service

Eugene F. Johnson, supervisor, Police and Safety Services, Penn State Erie, The Behrend College, has retired after 22 years service.

Mr. Johnson joined the University system as an investigator at University Park. In 1973 he assumed the duties of police chief at Penn State-Behrend. Prior to working for the University, he served as chief of police for the Village of Oxford, N.Y.

Mr. Johnson currently is chief of the Findley Lake (N.Y.) Volunteer Fire Department, where his wife, Elaine, a clerk in the Penn State-Behrend Bookstore, is a fire fighter, and daughter, Jacquline Wholaver, is a paramedic.

His professional memberships include the Western Pennsylvania Association of Directors for College and University Campus Security and Safety, Northeast College and University Security Association, New York State Fire Chiefs Association, and Chautauqua County Fire Chiefs Association.

Eugene F. Johnson

Business operations coordinator leaves University

Marie Eysenbach, business operations coordinator for the Department of Independent Learning, has retired after 30 years service.

She joined Independent Learning on April 1, 1962, as a clerk for lesson handling. During the early years of her career, she had frequent contact with students. Later her work involved more contact with staff members in the department and throughout the University.

She says she most enjoyed working with business operations for the department and with David F. Mercer, current director of Independent Learning. She was promoted to business operations coordinator in September 1986.

While working full time, she earned an associate degree in letters, arts and sciences.

In retirement, she is helping her husband Kurt, a teacher at the State College Junior High School, run their 66-acre farm near Petersburg. They raise dairy goats and have some beef cattle and horses, as well.

Their 8-year-old daughter, Erin, is happy about her mother's retirement since her mother can now meet her when she gets off the school bus.

Partings

Former department chair and professor ends 40-year career with University

William L. Schrader

William L. Schrader, former chair of the Department of Accounting and Management Information Systems, has retired as professor emeritus of accounting after nearly 40 years service.

A Smeal College of Business Administration faculty member with interests in the internationalization of management education, Dr. Schrader has served as technical adviser and resident adviser of The Smeal College's collaborative project with the University of the West Indies in Jamaica.

He also has served on the review board of the Institute of Chartered Accountants of the Caribbean, acted as an external examiner for the University of Nairobi in Kenya, and has been a Fulbright Professor at the University of Dar es Salaam in Tanzania and a visiting professor at the University of Zimbabwe. In addition, he was director of the Africa Linkage Project with the University of Zimbabwe.

Dr. Schrader joined the accounting faculty in 1954 and served as department chair from 1976 to 1986. He earned a bachelor's degree from Baylor University in 1950 and an MBA from Indiana University the following year. In 1959, he was awarded a doctoral degree in accounting from the University of Washington. He also is a certified public accountant.

He has been active in the affairs of the American Accounting Association, the National Association of Accountants, the American Institute of Certified Public Accountants, the Academy of Accounting Historians, the American Association of University Professors, the Touche Ross Aid to Education Board, the Graduate Accounting Conference, the Kellogg Project, the Accounting Accreditation Council and the Pennsylvania Institute of Certified Public Accountants.

In addition to University-level service with several organizations, including the University Faculty Senate, he has been deeply involved in numerous college and departmental committees.

Two campus faculty retire after lengthy service

Berks Campus

Ruth G. Botdorf, assistant professor of chemistry at the Penn State Berks Campus, has retired after 43 years service.

Before joining the Berks Campus in 1968, Dr. Botdorf was an instructor at the DuBois, McKeesport, Ogontz and University Park campuses.

She received a bachelor of arts degree in chemistry and mathematics from Susquehanna University; a master of science degree in nutrition from Columbia University, and a doctorate in chemistry from Penn State. She also was the recipient of three National Science Foundation science faculty fellowships.

Her numerous publications and papers presented cover fields of research including analytical and inorganic chemistry; x-ray diffraction and fluorescence; a solid state study of mercuric thiocyanates of four elements; powder diffraction in compounds; crystal data for certain garnets, and various research on instruction and learning methods.

She has been listed in *American Men and Women in Science, Who's Who of American Women; Who's Who of Women in Science,* and *Notable Americans of the Bicentennial Era.*

Dr. Botdorf has been instrumental in organizing the Reading-Berks Science-Engineering Fair and the Berks Campus Science Fair. She also has been active as a member of both the Berks Campus and University-wide Speakers Bureaus; as an adviser to the College of Science; as Dean's Representative for the College of Science; and as chairman and member of campus committees on academic planning, advising, special events, commencement, physical plant, and Faculty Senate re-organization.

Altoona Campus

Bernard R. Campbell, assistant professor of electrical engineering at the Altoona Campus, has retired after 30 years service.

Professor Campbell has been group leader of the Electrical Engineering Technology Program at the Altoona Campus since 1987. He is past president of the Altoona Engineering Society and a member of the American Society of Engineering Educators.

He began his career at the University in 1959, in the Electrical Engineering Department where he worked with the University's first Digital Computer. He left the University in 1966 and worked at HRB Singer as a design engineer for two years. He taught at the Altoona Area Vo Tech School for a year before coming to the Altoona Campus in 1969.

Professor Campbell earned an associate degree in electrical engineering technology from the Altoona Campus in 1959, and a BS in 1966 and MS in 1968 from Penn State, both in electrical Engineering.

He and his wife Dolores have three children, two of whom are Penn State alumni, and two grandchildren. They are looking forward to traveling and have a trip planned to the Rocky Mountains for this summer.

Bernard R. Campbell

Former manager of Ag Progress Days

After 34 years, agronomy professor retires with emeritus rank

Joseph D. Harrington, professor of agronomy, has retired with emeritus rank after 34 years of service.

From 1975 to 1991, Dr. Harrington was general manager of Penn State's Ag Progress Days, the largest outdoor exposition of university programs and agricultural technology in the Northeast. The 1991 Ag Progress Days was dedicated to him.

Dr. Harrington's research included the management of white potatoes for processing. His research on forage crop management provided grazing management recommendations for eastern livestock farmers.

In 1973, he was awarded the Christian R. and Mary F. Lindback Award for Distinguished Teaching. In 1974, he received the Northeastern Branch of the American Society of Agronomy Teaching Award. He also received teaching awards from Gamma Sigma Delta, the national agricultural honor society.

Dr. Harrington served on the Department of Agronomy Field Day Committee, the College of Agricultural Sciences Academic Honesty Hearing Committee, the University Faculty Senate and the College of Agricultural Sciences Student Activities Committee.

Partings

Soil science faculty bring University careers to close

Dale E. Baker, professor of soil chemistry, has retired with emeritus rank after 30 years of service.

Dr. Baker's research included soil physical chemistry, soil-plant interrelationships and soil-plant-animal health interrelationships. He developed methods of monitoring wastes and soils for trace elements and heavy metals for use in environmental pollution controls. He also worked as a research and development consultant for several companies.

His findings have been instrumental in passing legislation in Pennsylvania and have been used by the Department of Environmental Resources in guidelines for controlling the addition of heavy metals to agricultural lands.

From 1965-67, Dr. Baker was visiting scientist for the American Society of Agronomy, and from 1984-85, he was president of the Northeast branch of the American Society of Agronomy. In 1979, he was chairman of the Soil Chemistry Division of the Soil Science Society of Agronomy.

He received research awards from the American Society of Agronomy and the Penn State chapter of Gamma Sigma Delta, the national agricultural honor society.

Dr. Baker's teaching included the fundamental aspects of soil chemistry and its practical applications. He is a member of Gamma Sigma Delta, Sigma Xi, Phi Epsilon Phi and Phi Lambda Epsilon. He also is a fellow of the American Society of Agronomy and the Soil Science Society of America.

Robert L. Cunningham

Robert L. Cunningham, professor of soil genesis and morphology, has retired with emeritus rank after 28 years of service.

He led Penn State's soil characterization program and collaborated with the Soil Conservation Service on the Soil Survey of Pennsylvania. He also was instrumental in developing the Department of Agronomy's Land Analysis Systems Laboratory.

Dr. Cunningham studied soils in Ireland, Wales, England, New Zealand, Thailand, Mexico, Israel, Argentina and Australia. He served as a consultant for many international agriculture and agronomy programs, and in 1978, received the North Atlantic Treaty Organization Senior Research Fellowship, an international travel grant awarded by NATO.

He served on several University committees and chaired the Horticulture Graduate Program Review as well as the College Courses of Study Committee of the Center for Air Environmental Studies.

Dr. Cunningham is a member of the Soil Science Society of America, the American Society of Agronomy and the Soil Conservation Society of America. He was the 1977 recipient of the teaching award sponsored by the Northeastern branch of the American Society of Agronomy.

Leon J. Johnson, professor of soil mineralogy, has retired with emeritus rank after 32 years of service.

Dr. Johnson's research emphasized the origin, distribution and properties of clay minerals in soils. His teaching included soil mineralogy, soil science and a broad-base agronomy course for nonmajors.

As part of a Penn State project in 1980-82, he taught elementary and soil science at Edgerton College in Kenya. In 1976, he spent six weeks at the University of Zimbabwe, teaching clay mineralogy.

At Penn State, he helped coordinate and teach portions of an undergraduate core course and a broad-based course in agronomy for nonmajors. In addition, he led a University-sponsored course improvement project, which resulted in the development of a study guide and laboratory manual for introductory soil science.

He received teaching awards from Gamma Sigma Delta, the national honor society of agriculture, and from the Northeast branch of the American Society of Agronomy.

Dr. Johnson is a member of the Soil Science Society of America, the American Society of Agronomy, the International Society of Soil Science, the Mineralogical Society of America, the Clay Mineral Society of America and the Soil Conservation Society of America.

Leon J. Johnson

Donald V. Waddington, professor of soil science, has retired with emeritus rank after 26 years of service.

Donald V. Waddington

Dr. Waddington, who is widely recognized for his research in turfgrass fertilization, soil modification and surface characteristics of athletic fields, served as associate editor and chair of the Turfgrass Division in the Crop Science Society of America, and was editor of an American Society of Agronomy monograph on turfgrass science.

In 1986, he was made a fellow of the American Society of Agronomy. In 1990, he received the Distinguished Service Award from the Pennsylvania Turfgrass Council for outstanding leadership and contributions to the turfgrass industry.

Dr. Waddington taught turfgrass management, physical properties of soil for turf and turfgrass nutrition. He is a member of the Crop Science Society of America, the Soil Science Society of America, the International Soil Science Society and the International Turfgrass Society. He also is a member of Phi Epsilon Phi, Sigma Xi, the Phi Sigma Society and Gamma Sigma Delta, the national honorary fraternity of Agriculture.

The Hershey Medical Center

Manager of hospital pathology services bows out

Lyman O. Smith, manager of hospital pathology services at the Hershey Medical Center, has retired after 22 years service.

Mr. Smith joined the Medical Center staff as a manager in clinical pathology in 1969 after serving 22 years in the U.S. Navy.

He was instrumental in a number of significant developments in hospital pathology services, including managing and expanding the hemophilia program, establishing the histocompatibility and comprehensive virology labs, and managing anatomic pathology, the eye bank, and the bone bank.

He views the opportunity of being part of a Medical Center from its infancy through its years of peak growth as an incredible experience. "I've seen a lot of changes," he said, "especially the fast expansion of the building program, more sophisticated technology, and the increase in the number of lab tests."

Even following his second retirement, Mr. Smith doesn't plan to slow down too much.

He and his wife, Marion, have some travel in mind, to see "the things in the United States I've missed," like Gettysburg, Niagara Falls, and New England. They'll also spend time with four children and six grandchildren who live on the East and West coasts.

Lyman O. Smith

Partings

Associate dean retires with emeritus rank after 28 years

David S. Palermo, associate dean for research and graduate studies in the College of the Liberal Arts and professor of psychology, has retired with emeritus rank after 28 years service.

Dr. Palermo's research focuses on child psychology and language development. Author of *Word Association Norms: Grade School through College* and the *Psychology of Language* and more than 90 journal articles, book chapters and monographs, he has been editor or co-editor of seven books, the latest of which, *The Nature and Ontogenesis of Meaning*, is now in press.

Currently, he serves on the editorial boards of *The Journal of Experimental Child Psychology, Metaphor and Symbolic Activity* and *Cognitive Development* and is an editorial associate for the journal, *The Behavioral and Brain Sciences*.

Dr. Palermo received a bachelor of science degree in psychology and education at Lynchburg College in 1951, a master's degree in psychology from the University of Massachusetts in 1953 and his doctorate in child psychology from the University of Iowa in 1955.

After serving as an assistant professor in the Institute of Child Development at the University of Minnesota, he joined the University faculty in 1966 as an associate professor of psychology. He helped establish the Center for the Study of Child and Adolescent Development and served as its associate director from 1984-1988. In 1988, he was appointed associate dean for research and graduate studies in the College of the Liberal Arts.

He was a visiting professor of psychology at the University of Edinburgh in 1969 and 1970 and a Senior Fulbright Scholar in the Psychology Department at the University of Sydney in 1975. The National Institute of Child Health and Human Development awarded him a five-year Career Development Award, honoring his work from 1965-1970.

Among his many professional associations, Dr. Palermo is a Fellow in two divisions of the American Psychological Association and a Fellow in the American Association for the Advancement of Science. He also is a member of the board of directors of the Eastern Psychological Association and recently was selected to edit the newsletter of the Jean Piaget Society.

Two from College of Engineering end University service

After 36 years

Joan P. Yungkurth Lampman has retired as coordinator of human resources and administrative services in the College of Engineering.

Ms. Lampman began work at Penn State in the Applied Research Laboratory as a technical secretary in 1956. She became administrative aide in the Department of Aerospace Engineering in 1965 and moved to the engineering dean's office in 1977.

Joan P. Yungkurth Lampman

She was very active in the University community. Most recently, she was a member of the Advisory Committee for Staff Position Evaluation and Compensation Program and of several committees relating to setting up the Administrative Information System (AIS)/Interactive Business Information System (IBIS). She served on the Committee of Human Resources Representatives until her retirement and as chair of that group from 1985 to 1986 and from 1986 to 1987.

Within the College of Engineering, she served on the Dean's Office Staff Advisory Committee, chaired the Engineering Administrative Fellows Selection Committee and was an ex-officio member of the College of Engineering Climate Advisory Committee.

A graduate of Lackawanna Junior College in Scranton, she completed an associate degree in letters, arts and science with high distinction at Penn State and currently is pursuing a general arts and sciences major in the College of the Liberal Arts.

Emeritus rank bestowed

Edward S. Kenney, professor of nuclear engineering, has retired with emeritus rank after 36 years service.

Dr. Kenney, who specializes in imaging and non-destructive testing using gamma rays, has written 20 articles on reactor control and instrumentation, computers in laboratories, and industrial and medical imaging. He is a member of the American Nuclear Society and the Health Physics Society.

He earned his bachelor's degree in physics from St. Bonaventure University in 1953. He received an Atomic Energy Commission Fellowship to study radiological physics at the University of Rochester. On completion of this program, he worked at Westinghouse in health physics until 1955 when he came to Penn State.

The university health physicist until 1959, Dr. Kenney was assistant director of the Braezeale Research Reactor from 1959 to 1964. During this time, he completed his master's degree and doctorate in physics at Penn State and was appointed associate professor of nuclear engineering. In 1974, he was promoted to the rank of professor and a member of the graduate faculty.

After retirement, Dr. Kenney will continue his research.

Edward S. Kenney

Number of employees end longstanding careers

James T. Coutlangus, coordinator, Night Pharmacy Services at Hershey Medical Center, from Jan. 21, 1980, until March 23.
Mary J. Delahaut, college health nurse, Student Services, from Oct. 1, 1966, until April 1.
Ernest W. Fitzgerald, customer service clerk A, Penn State Bookstore, from July 16, 1979, until May 1.
Ellen J. Johnson, table attendant, Nittany Lion Inn, from April 1, 1979, until Feb. 1.
Alice J. Ingham, food preparer B at Behrend, from Aug. 26, 1976, until April 15.
John R. Nesselroade, distinguished research professor of human development and director/Center for Developmental and Health Research Methodology, Health and Human Development, from Sept. 1, 1972, until Jan. 1.
Donna M. Schott, clerical worker at Hershey Medical Center, from Sept. 29, 1980, until April 1.
Robert E. Skipper, associate research engineer at the Applied Research Laboratory, has retired after 10 years service.
Selma P. Thompson, secretary, Research and Graduate School, 30 years of service.
Daniel H. Weaver, janitor, foreman, Office of Physical Plant, from April 2, 1965, until April 3.
Linda C. Werner, secretary A at Hershey, from Sept. 15, 1975, until May 2.
Beatrice J. Wise, clerk, receptionist A at Hershey, from March 2, 1982, until May 30.

Partings

Mechanical engineering faculty members end service

Frank W. Schmidt

Frank W. Schmidt, professor of mechanical engineering, has retired with emeritus rank after 29 years service.

Dr. Schmidt, who specializes in heat transfer and computational fluid dynamics, is the co-author of two text books, *Introduction to Thermal Science and Thermal Energy* Storage. He also co-edited the *Heat Exchanger Design Handbook* and eight volumes of the *Turbulent Shear Flow* series published by Springer-Verlag. Presently, he is editor-in-chief of the *International Journal of Heat and Fluid Flow*.

A fellow of the American Society of Mechanical Engineers, Dr. Schmidt served on the executive committee of the Heat Transfer Division from 1975 to 1980, chairing it in 1979. Currently he is the ASME representative and chair of the Engineering Foundation Conference Committee.

He received the Central Pennsylvania ASME section Outstanding Mechanical Engineer Award in 1991, the Distinguished Service Award from the Heat Transfer Division in 1988, and a College of Engineering Outstanding Teaching Award in 1978.

At Penn State, Dr. Schmidt has served on the University Faculty Senate, on the Board of Directors of the Daily Collegian and the Graduate Council.

He earned his bachelor's degree and Ph.D. from the University of Wisconsin at Madison and his master's degree from Penn State, all in mechanical engineering. He was on the faculty at the University of Wisconsin prior to joining the Penn State faculty in 1962.

Dr. Schmidt and his wife, Mary, plan to remain in State College, where he will pursue professional activities and teach one graduate level course at Penn State each year.

James C. Wambold professor of mechanical engineering, has retired with emeritus status after 25 years service.

Dr. Wambold is an internationally-known expert in road roughness and its effects on vehicle dynamics and in the measurement and theory of skid resistance. His research includes the development of a complete CAD valve train and cam design, including loads and stresses as well as displacement and accelerations.

A faculty associate of the Pennsylvania Transportation Institute since its establishment in 1967, Dr. Wambold has served on PTI's executive board since 1979 as program director of the vehicle/surface interaction and safety program. He was the principal investigator and first director of the Altoona Bus Research and Testing Center, a faculty established in 1989 through PTI.

A member of the National Academy of Sciences, he is a fellow of the American Society of Engineering Education and the American Society of Mechanical Engineers and a faculty fellow of the National Aeronautics and Space Administration.

Dr. Wambold holds three degrees in mechanical engineering: a B.S. from Penn State, an M.S. from Carnegie Institute of Technology, and a Ph.D. from the University of New Mexico. He continues as the principal investigator to the International Experiment to harmonize and correlate skid testing throughout the world and will consult for the Bus Research and Testing Center as needed.

During his retirement, Dr. Wambold plans to consult, travel and spend time at his woodworking hobby. He may even return to playing golf. He and his wife, Alice Wambold, president of the Penn State Federal Credit Union, plan to take an around-the-world-trip, including travel on the QEII and the Concord.

James C. Wambold

The Wambolds have three daughters, Cindy, Debbie and Merrie, all graduates of the College of Health and Human Development.

Professors of engineering mechanics close careers

Jaan Kiusalaas, professor of engineering mechanics, has retired with emeritus rank after 28 years service.

An expert in numerical methods and structural optimization, Dr. Kiusalaas has published numerous papers in that field and developed innovative computer software to bring research information and techniques into the classroom. He also co-authored two textbooks, *Statics*, and *Dynamics*, to be publjshed by Harper Collins in 1993.

Jaan Kiusalaas

After he earned a bachelor's degree in civil engineering from the University of Adelaide, Australia, he began his career as a draftsman and cartographer for the South Australian Harbors Board. He subsequently worked for the Rapid Metal Company in Australia and Chrysler Australia, Ltd., as a design engineer.

In 1959, he moved to the United States as a project engineer for Chrysler working on advanced design and new plant design. Between completing his master's and doctoral degrees at Northwestern University, he continued to work with Chrysler.

After serving as a postdoctoral research fellow at the Northwestern University Materials Research Center, Dr. Kiusalaas joined the University faculty in 1963.

He has served on numerous committees within the College of Engineering. Most recently he chaired the college committees for procedures for promotion and tenure and for graduate program review for civil engineering.

A registered engineer in Australia, Dr. Kiusalaas is a member of several professional groups, including Sigma Xi, the American Academy of Mechanics, and the Society of Natural Philosophy.

Vernon H. Neubert, professor of engineering mechanics, has retired with emeritus status after 29 years service.

Dr. Neubert is an internationally recognized expert in structural dynamics and vibration. In 1948, he was responsible for the development of one of the first industrial computer programs for dynamic analysis of three-dimensional elastic structures.

He received recognition from NASA for a technical innovation in pyrotechnic shock measurement and analysis. He also developed two patents, with Navy support, for vibration and impact energy absorbers.

The author of two books, *Mechanical Impedance: Modelling/Analysis of Structures*, and *Theory of Vibrations*, he is a fellow of the American Society of Mechanical Engineers, the American Society of Civil Engineers, and the Acoustical Society of America. He won a 1983 Penn State Engineering Society Outstanding Research Award.

He received his bachelor's and master's degree in civil engineering at Carnegie Institute of Technology in 1948 and 1949, respectively. He taught at Yale University from 1954 to 1957 while earning his engineering degree.

Dr. Neubert's plans for retirement include finishing a second edition of *Mechanical Impedance* and expanding the *Theory of Vibrations*. He also is continuing work on a research contract with the U.S. Air Force.

Vernon H. Neubert

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 INETWDRK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, June 18. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00011, Administrative Assistant, College of Education, Curriculum and Instruction, University Park Campus** — Responsible to the director, Pre-Service Teaching Experiences, for administrative support, including placing students in the field, teaching assignments, overseeing the student teaching application process, assisting in preparation of reports and supervising general office functions. Act as liaison for the office in establishing and maintaining positive relationships with schools, teacher education faculty, superintendents and other professional colleagues. Requires bachelor's degree in education or directly related field plus two to four years of experience in field supervision; or two-to-four years of teaching and/or administrative experience in basic education. Master's degree preferred. STAFF GRADE 6.

■ **00012, Director of Marketing and Admissions — CES, Undergraduate Education, Admissions, University Park Campus** — Responsible to the director of admissions for the conceptualization and implementation of programs and activities related to marketing and admissions for the Commonwealth Educational System with a University-wide framework. Advise and assist campus personnel in identifying positioning strategies and developing marketing plans. Provide leadership in developing special recruitment projects, yield enhancement activities, and market analysis. Requires master's degree, or equivalent, in marketing, communications, or related field with six to seven years of effective experience in admissions marketing. Excellent oral and written skills and willingness to travel are essential. STAFF GRADE 10.

■ **00013, Data Retrieval Specialist, Development and University Relations, Alumni Association, University Park Campus** — Analyze, code, modify, test and submit computer program instructions for retrieval of data from Alumni/Development database; review and interpret requests for information from users of the Alumni/Development database; prepare appropriate test databases; test programs and program systems; code and submit procedures for producing appropriate output using COBOL, NATURAL, and various data retrieval and manipulation packages; prepare or modify job control language for processing programs. Associate degree, or equivalent, plus one-to-two years of effective experience. Knowledge of COBOL and NATURAL preferred. STAFF GRADE 4.

■ **00019, Admissions Officer, Altoona Campus, Admissions** — Responsible for planning, coordinating, directing, and implementing the campus recruiting and admissions marketing and re-enrollment strategy plans; evaluate recruiting and admissions activities; develop reports concerning the progress of campus recruiting efforts. Organize and coordinate all on-campus programs related to admissions including establishing programs, contacting students, coordinating participation of faculty, staff, students, etc. Responsible for planning, scheduling, and representing the University at high school visitation programs, college days and fairs, high school and campus open house. Requires master's degree, or equivalent, in psychology, counseling or related field with two-to-four years of effective experience in collegiate recruiting and admissions. STAFF GRADE 7.

■ **00020, Student Activities Assistant, Altoona Campus, Student Programs and Services** — Responsible for the on-site implementation of evening, weekend activities of performing groups, speakers, theatre productions, films, and activities of student organizations. Work with student organizations, faculty, and staff to ensure that all planning needs for events are met. Coordinate scheduling of the H.E. Slop Student Center and maintain student activities calendar. Provide administrative and technical support and advice to student organizations for activities such as dances, etc. Requires bachelor's degree, or equivalent, in student services related area plus one-to-two years of effective experience in student activities and/or theatre production, etc. NOTE: HDURS: MONDAY THROUGH THURSDAY — 12 P.M. TO 9 P.M. AND FRIDAY — 8 A.M. TO 5 P.M. STAFF GRADE 5.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by June 18.

■ **10325, Practice Manager, Department of Dutpatient Services** — Responsible for the operation of multiple practice sites. Requires bachelor's degree with a major in business administration, health care administration, nursing, or equivalent, and at least 3 to 4 years of effective experience or a master's degree in health care or business administration. STAFF EXEMPT, GRADE 7.

pf0328, Patient Account Assistant, Department of University Physicians Professional Billing — Responsible for the analysis of aged patient accounts to assure that generated professional charges are correct and accurate, as well as providing counseling to patients with delinquent physician accounts and advising of options available. Requires an associate degree or equivalency in business administration plus 1-2 years of effective experience. STAFF NONEXEMPT, GRADE 4.

■ **10435, Coordinator, Professional Billing, Department of Psychiatry** — Responsible to the chairperson and the assistant chairperson, Department of Psychiatry, for coordinating and maintaining optimal utilization of the department's billing systems, receiving, analyzing and generating bills, and monitoring the effectiveness of the collection process. Requires a bachelor's degree or equivalent in business administration plus 1-2 years of effective experience. STAFF NONEXEMPT, GRADE 5.

■ **10443, Laser Research Specialist, Department of Surgery** — Responsible to a principal investigator for the day-to-day conduct of ongoing research programs utilizing laser technology for surgical procedures as well as the development of new projects and related experiments. Requires a master's degree or equivalency in biology, chemistry, etc. plus 2-3 years of effective experience with laser technology. Laser maintenance experience required. STAFF EXEMPT, GRADE 7.

■ **f0438, Coordinator, Surgical Fees, Department of Surgery** — Responsible to the director of administration/surgery, for overseeing and coordinating the professional fee billing and systems within the Department of Surgery. Requires a bachelor's degree or equivalency in business plus 1-2 years of effective experience in a supervisor capacity. STAFF EXEMPT, GRADE 6.

■ **10417, Network Support Specialist, Department of Surgery** — Responsible to the director of administration/surgery for installation and operation of departmental computer network systems, training of departmental support staff, as well as hardware and software solutions for the department. Requires a bachelor's degree or equivalency in computer science plus 1-2 years of effective experience. A working knowledge of various software programs such as Lotus 1-2-3, WordPerfect and/or D-Base III is required. STAFF EXEMPT, GRADE 6.

■ **f1253, Clinical Nursing Specialist — Orthopaedic Neurosurgical, College of Medicine, University Hospital, Department of Nursing Services** — Responsible to the director of nursing services and/or an assistant director of nursing services for coordination of care to orthopedic and neurosurgical patients from initial referral through admission and discharge. Also, act as a liaison between the medical staff, inpatient and ambulatory nursing staff, family and community agencies. Requires a master's degree or equivalency in one of the defined nursing clinical specialties plus one-to-two years of effective experience and licensed as a registered nurse in the state of Pennsylvania. STAFF EXEMPT, GRADE 7.

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William E. Campbell Jr., Editor
Lisa Rosellini, Assistant Editor
Kathy Garman, Calendar

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Photo: Greg Grieco

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Lyle C. Merriman James M. Moeser

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William E. Campbell Jr., Edit Lisa Rosellini, Assistant Edit Kathy Garman, Calendar

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INTERCOM

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Merriman is named acting dean of College of Arts and Architecture

Lyle C. Merriman, director of the School of Music, has been named acting dean of the College of Arts and Architecture and acting executive director of University Arts Services, effective Aug. 1.

"Dr. Merriman has done an excellent job of enhancing and expanding the programs in the School of Music, President Thomas said. "His nationally recognized leadership and experience will ensure a smooth transition as we begin the search for a new dean."

Dr. Merriman will succeed Dean James M. Moeser who has been named vice president for academic affairs and provost of the University of South Carolina.

"Jim Moeser has done a splendid job these last six years as dean of the College of Arts and Architecture, and he will be sorely missed," President Thomas said.

"Under his leadership, the College has made impressive gains on every front: enrollment has increased by one third; the number of women and minority faculty has increased substantially, as had that of undergraduate minority students. We wish him well as he takes on new challenges as chief academic officer at the University of South Carolina."

Dr. Merriman has been director of the School of Music since 1984. Under his leadership, enrollment has increased by 102 percent, and the Penn's Woods summer music festival has become a major music festival in the eastern United States. He is the editor or arranger of more than 30 publications of woodwind music and the author of several articles and books on woodwinds.

Prior to his appointment at Penn State, he served as dean of the School of Music at Louisiana State University since 1980 and assistant director of the School of Music and professor of clarinet at the University of Iowa from 1963 to 1980.

Dr. Merriman has served for six years on the Graduate Commission of the National Association of the Schools of Music and has chaired accreditation teams at major universities across the country.

His degrees are a bachelor of music education from the University of Kansas, an M.S. in clarinet performance and a Ph.D. in woodwind literature

See 'Acting dean' on Page 4

Lyle C. Merriman

James M. Moeser

Neither rain, nor sleet...

Despite the inclement weather, these women cyclists pedaled fast and furiously through Altoona this past weekend as part of the Olympic Road Trials being held there. Altoona Campus played host to about 500 athletes, men and women, all competing for a spot on the U.S. Olympic Cycling Team that travels to Barcelona, Spain this summer. The races, which ran from June 6 through June 21 kept campus employees busy as they prepared food and maintained lodging for the cyclists.

More photos on page 5.

Photo: Greg Grieco

It's that time of year...

Arts Festival coming July 8 - 12

Since its inception a quarter of a century ago, the Central Pennsylvania Festival of the Arts has been part of the University Park Campus, attracting more than 150,000 visitors annually. This year is no different.

Opening Wednesday, July 8, for the 26th consecutive year, the Arts Festival will run for five days and nights and showcase the works of artists from nearly every creative genre, filling campus and downtown State College with the sights and sounds of people celebrating the arts.

"The Festival of the Arts is the most significant example of town and gown relations at Penn State," Karen Rugh, director of University Relations, said. "The benefits to the University are hard to measure in dollar terms, but this is an opportunity for thousands of people to see and learn about Penn State."

Ms. Rugh said the festival provides the stage for the University museums and galleries to showcase their offerings, as well as allowing the University to support and promote the arts.

Charlene Price-Holder, assistant to the executive director for reunions and homecoming activities for the Alumni Association, said her office capitalizes on the popularity of the Arts Festival by holding class reunions for younger alumni during that time.

"We were looking for a way to bring back young alumni to campus and the Arts Festival was the perfect opportunity," Ms. Price-Holder said. "We

See 'Festival' on Page 4

Traffic Alert

The following routes and areas will be closed to traffic during the Arts Festival, according to Rodney Swartz, customer service representative in the Office of Physical Plant:

- Pollock Road from the intersection of Burrowes Road to near Schwab Auditorium will be closed. Construction on Pollock will cease and areas will be backfilled or have steel plates placed over them.
- Frazier Road from the Willard Building to Carnegie Building will be closed.
- The entrance to the Deike Building parking lot at Burrowes Road will be blocked.
- The entrances to the Power Plant driveway and the ARL Building off of Burrowes Road will be closed.
- The drive behind Hammond Building will be closed.

Mr. Swartz said that alternative access is available to the lots that have one entry point blocked, and he suggested that people carpool to work to help with traffic congestion during the Arts Festival.

Focus on Diversity

Librarian compiles cultural diversity bibliography

Joan Diana, head librarian at the Penn State Wilkes-Barre Campus, has compiled a new bibliography on cultural diversity that is being used in local schools.

Cultural Diversity: A Bibliography was developed as part of the Penn State Wilkes-Barre Area Educational Partnership. The 312 titles chosen for the 150-page book form a basic cultural diversity section.

Ms. Diana said she compiled the bibliography "to help elementary school teachers and librarians introduce cultural diversity to children in kindergarten through grade eight."

According to the Penn State librarian, she chose the books because of their usefulness to children in helping them to appreciate the traditions of ethnic groups in the Wilkes-Barre area especially.

"The list is to be used as an evaluative tool to enhance the existing school library collection," she said.

The bibliography is being sold through the Wilkes-Barre Campus Bookstore, with proceeds used to purchase cultural diversity materials listed in it for use by public schools in the Wilkes-Barre area.

A former public school librarian and Kings College librarian, Ms. Diana served for seven years in the Pennsylvania Department of Education as head of school libraries and media. A graduate of Misericordia College, she holds two masters degrees from Marywood College in library science and educational media.

She recently co-authored *Pro-Choice/Pro-Life: An Annotated, Selected Bibliography (1972-1989)* with Richard Fitzsimmons, head librarian at the Worthington Scranton Campus. Her publications are included in the Encyclopedia of Library Information Science and the Pennsylvania Historical and Museum Commission's Legislative Biography Project.

Cultural Diversity is available through the Penn State Wilkes-Barre Campus Bookstore. For more information, call (717) 675-9230.

Summer programs targeted to recruiting minority students

At Penn State, the summer season is an ideal time to conduct programs to recruit minority students. Here is a summary of summer'92 programs.

College of Agricultural Sciences
Six high school students from across the country are participating in a program that focuses on studying different disciplines in the agricultural sciences. The "Minority Students Apprenticeships in Agriculture" program is aimed at recruiting minority students to agricultural professions. The six-week session ends Aug. 1 and co-sponsored by the U.S. Department of Agriculture.

College of Arts and Architecture
In a combined effort with the School of Visual Arts and the Manchester Craftsmen's Guild, a Pittsburgh-based organization, the "Penn State/Manchester Craftsmen's Guild Program" will involve 15 college-bound minority high school sophomores and juniors. The students will attend daily drawing/painting, ceramics and photography classes, as well as social and informative sessions July 5 through July 11.

The Smeal College of Business Administration
The college co-sponsors Business Engineering Science & Technology (BEST) program with the College of Engineering and the Eberly College of Science. Program is designed to encourage 10th and 11th graders to enter business, engineering and science careers. Program is sponsored primarily by Eastman Kodak Co.

School of Communications
Titled, "School of Communications Film and Video Minority Workshop," this program is an effort to recruit minority high school students into the film and television industries.

Nine students work closely with minority faculty and industry professionals to create a film project that reflects a multicultural perspective of the world. Famous alumni such as Hollywood filmmaker Stan Lathan will also give input. The program is co-sponsored by the Equal Opportunity Planning Committee and D'Elia Witkoski, a Pittsburgh production company.

College of Earth and Mineral Sciences
This college has two programs. "Summer Experience at University Park," is a program for Westinghouse High School juniors with interests in science and math. It is designed to motivate minority students to consider mineral and petroleum engineering careers. The 25 students work closely with researchers, visit mineral engineering fields and learn about petroleum recovery. This year's program is scheduled for July 12 through July 17.

The "Summer Experience at Wallops Island, Virginia," program consists of two weeks of field experimentation in coastal marine science at the facilities of the Marine Science Consortium located on Virginia's Eastern Shore between the Chesapeake and the Atlantic Ocean. Eighteen minority and female high school seniors will also visit NASA Wallops Flight Facility, the NOAA Satellite Receiving Facility, the Assateague Wildlife Reserve and a commercial fishing vessel. Program ends July 3.

College of Education
"Minority Teachers for the 21st Century" is a new pre-college program aimed at increasing the number of minorities in the teaching profession.

Thirty high school students will participate in the intensive nine-day program at University Park July 11-19. The students will live in dormitories while participating in academic enrichment classes and social activities.

College of Engineering
The College of Engineering has several programs for students from grade school to high school. They include:

- "High School Student Intern Program" — A program designed to introduce talented students from local high schools to career possibilities in engineering and technology. Program runs June 15 to July 3, and July 6 through July 24.
- "Summer Space Academy" — A two-week program focused on encouraging high-achieving 10th and 11th graders to enter the sciences. Program ends July 3.
- "Pre-Freshman Engineering & Science" — A program for entering freshmen in the Colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, and the Eberly College of Science. Beginning with summer session, the program helps students prepare for the rigors of a college curriculum in engineering or science.
- "Science and Engineering Research Academy" — A four-week program targeted at encouraging high-achieving 10th and 11th graders into science and engineering careers. Program runs July 5 through July 31. Co-sponsored by the College of Earth and Mineral Sciences and the Eberly College of Science.
- "Ms. Wiz" — A two-week program to encourage fifth and sixth grade girls to consider engineering and technology careers. Program scheduled for July 5 through July 18 and July 19 through Aug. 1.
- "See the Future" — A one-week program to introduce minority seventh, eighth, and ninth graders to science, energy and engineering. Students work with researchers.
- "Business, Engineering, Science and Technology" (BEST) — This program description is listed under the Mary Jean and Frank P. Smeal College of Business Administration.

College of Health and Human Development
The College of Health and Human Development has six programs this summer including:

- "Minority Advanced Placement Program" (MAPP) — Approximately 100 high school seniors are expected to participate in the program, throughout July. The program is to be conducted at seven Commonwealth Campuses across the state. It is designed to introduce academically talented students who are interested in health careers to Penn State by inviting them to enroll in summer courses. The courses can be credited toward a degree from Penn State.
- "Minority Access to Research Careers Program" (MARC) — Four, third-year and fourth-year undergraduate students from across the country will visit University Park Campus for an eight-week, full-time research experience. The students all have an interest in biobehavioral, psychological, social or public health sciences.
- "Minority Research Apprentice Program for Teachers" (MRAP for science teachers) — Two minority science teachers from Pennsylvania will visit Penn State to learn innovative ways to encourage and motivate minority students to pursue scientific research careers. The seven-week program ends Aug. 8.
- "Minority Research Apprentice Program" (MRAP) — This program is similar to MARC, except students are encouraged to pursue careers in health professions and biomedical research. Ten student programs around the state are participating through Aug. 8.
- "Minority Health Careers Institute" — A four-week program for highly-motivated minority high school students interested in health careers, but whose grade point averages are not highly competitive. Students receive classroom instruction on improving their reading, writing, math and study skills. The program is held at the McKeesport, Ogontz and University Park campuses and ends July 17.
- "Graduate Minority Health Careers Institute" (GMHCI) — A five-week program for academically talented minority undergraduate seniors interested in working as speech therapists, health educators, hospital administrators, dietitians, clinical psychologists or other health-care professionals. Students work with faculty from Penn State's clinical psychology, communication disorders, health education, health policy and administration and nutrition departments. Program ends July 18.

College of the Liberal Arts
College has two programs. "Bridges to the Future," a three-week academic enrichment program which ends July 18, is for high school juniors from McKeesport and Reading.

"Research Experiences in Experimental Psychology, is a seven-week program to encourage college juniors and seniors to pursue graduate training. It is co-sponsored by the National Science Foundation and Penn State's Department of Psychology.

Eberly College of Science
"Business, Engineering, Science and Technology" (BEST) — Program description is listed under the Smeal College of Business. Co-sponsored by the College of Engineering and the Mary Jean and Frank P. Smeal College of Business Administration.

Focus on Diversity

Women in Science and Engineering

Meeting held to help form statewide partnership to aid in retaining females

Eighty-five representatives from more than 40 Pennsylvania educational institutions met at University Park May 29-30 to create a multi-institutional statewide partnership — the first in the nation — which will conduct a major study to evaluate informal programs in higher education which focus specifically at retaining women in science, engineering and math.

"It's clear that we have a hemorrhage of young women from science and engineering in spite of slightly higher grade point averages than those who stay on," said Sylvia Stein, director of the Penn State National Space Grant College which sponsored the organizational meeting.

"We need to find out which current intervention programs are most effective; which are counter-productive; and which are most efficient, both dollar-wise and timewise."

The meeting was funded by the Penn State National Space Grant College and Fellowship Program and by General Electric, both of whom have agreed to continue support for the partnership's initial steps.

For more information about the study, contact the Penn State National Space Grant College, 101 South Frear, University Park, (814) 863-7688.

> **"It's clear we have a hemorrhage of young women from science and engineering..."**
>
> Sylvia Stein
> Director

WPSX-TV profiles modern dance choreographers

One of the most arresting, charismatic, and articulate of the current generation of modern dance choreographers is profiled in Dance in America's "Bill T. Jones and Arnie Zane and Company," airing at 10 tonight on Great Performances on WPSX-TV Channel 3.

The program centers on Mr. Jones' most ambitious creation, "The Last Supper at Uncle Tom's Cabin," exploring through dance and discussion the contemporary issues that inform this powerful work: the continuing tyranny of racism, sexism, and homophobia, the devastation of AIDS, and the loss of faith these conditions promote.

Mr. Jones manipulates the narrative of Harriet Beecher Stowe's legendary novel to deconstruct the modern mythology that the book perpetuated, investing the story with an immediate political and emotional significance.

> **Great Performances on WPSX-TV**

Penn Staters

Ram B. Bhagat, senior research associate, IRP, and associate professor of engineering science and mechanics, has been selected to serve on the Organizing Committee of Advanced Composites '93 — International Conference on Advanced Comaposites: Fabrication, Processing Properties, Performance, Design and Applications at the University of Wollongong, Australia, in February, 1993.

Richard L. Frautschi, professor of French, has received an $80,000 grant from the National Endowment for the Humanities to complete a Bibliography of French Prose Fiction of the Eighteenth Century. The annotated entries are scheduled for publication by the Voltaire Foundation, Oxford, in 1964 as a two-volume work and also as a CD-ROM database.

Akhlesh Lakhtakia, associate professor of engineering science and mechanics, served as traveling lecturer in Argentina for the International Commission for Optics. He gave a postgraduate course titled "Topics in Optics and Electromagnetic Scattering" at the University of Buenos Aires, and delivered a seminar titled "The Teeth of a Rabbit and the Tail of a Lizard: Unsuspected Dangers of Truncation" at UBA and at the Universidad Nacional del Centro de las Provincia de Buenos Aires in Tandil, Argentina.

Herschel W. Leibowitz, professor of psychology, participated in a lecture series for the AGARD division of the North Atlantic Treaty Organization on visual aviation problems during night operations in Spain, The Netherlands and the United States.

Russell Messier, acting director of the Materials Research Laboratory and professor of engineering science and mechanics, has been selected to join the International Advisory Committee of Topical Symposium II, "New Diamond and Diamond-Like Films," to be held in Florence, Italy, in June 1994.

Anthony B. Mitchell, director of the Penn State Pittsburgh Center, and Allan Quigley, assistant professor and regional coordinator of adult education, presented a paper titled "Forgotten Leaders of African American Adult Education: 1863-1963," at the Adult Education Research Conference in Saskatoon, Canada.

Regi Newton, lecturer in African-American studies at the Penn State McKeesport Campus, has been selected by the University of Pittsburgh's Department of Black Community Education Research and Development Group Project to Ghana to participate in its U.S. Department of Education-funded five-week study tour to Ghana. He will visit, photograph and research the histories of ten of the approximately 40 Dutch and Portuguese slave holding forts and castles constructed during the 15th and 16th centuries along Ghana's Atlantic coast.

Robert W. Ott, professor of art education, has received the National Art Education Association Award as the Pennsylvania Art Educator for 1992.

Stanley Rosen, Evan Pugh professor of philosophy, presented lectures on metaphysics and the history of philosophy at Manchester and Essex universities in England, Osnabruck University in Germany, the Ecole normale superieure in Paris, and The New University of Lisbon. He also spoke at the University of Montreal, The University of Quebec in Montreal, and Laval University.

K. Warner Schaie, Evan Pugh professor of human development and psychology, has been selected to receive the American Psychological Association's 1991 Distinguished Scientific Contribution Award. The award recognizes scholars who have most affected basic research in psychology.

Shrikrishna Singh, associate professor of chemistry at the Penn State Hazleton Campus, has been awarded a one-year grant by the U.S. Department of Agriculture to study the "biosynthesis of algenate by fluorescent pseudomonack." He also has been selected to participate in the three-year Scientist-Educator Team (SET) Program, sponsored by the American Society for Microbiology, with funding from the National Science Foundation's Division of Undergraduate Science, Engineering and Mathematics Education.

Allen Soyster, professor and head of industrial and management systems engineering, has received the 1992 Award for Technical Innovation in Industrial Engineering from the Institute of Industrial Engineers in recognition of significant innovative technical innovation in industrial engineering.

Patrick T. Terenzini, professor of higher education and senior scientist in the Center for the Study of Higher Education, has received the Contribution to Knowledge Award of the American College Personnel Association. The award citation characterized Dr. Terenzini as "one of the profession's outstanding scholars.

Obituaries

Grace T. Conley, accounting clerk in Housing and Food Services since May 15, 1955, died May 29 at the age of 61.

Jere T. Ferguson, utilityequipment operator at the Hershey Medical Center since Oct. 16, 1972, died May 12. He was 53.

John C. Griffiths, professor emeritus of geosciences, died June 2. He was 80.

A world authority on statistical and computer modeling for geological applications, he was a petrographer with Trinidad Leaseholds Ltd., Trinidad, prior to joining the University faculty in 1947.

Dr. Griffiths held bachelor of science (1933), master of science (1934) and doctoral (1937) degrees in petrology from the University of Wales; a Diploma of Imperial College, Royal College of Science, London; and a doctorate in petrology (1940) from the University of London.

His contributions to statistical geology, particularly in the areas of sampling and estimation, and to computer modeling of geological phenomena were pioneering. His work on united regional values received international acclaim. In 1977, the International Association of Mathematical Geology honored him as the first recipient of the William C. Krumbein Award.

Since his retirement in 1977, he held faculty appointments with the U.S. Geological Survey, in Reston, Va.; served as a consultant to the Pennsylvania Department of Environmental Resources; continued his research on quantifying the geology of the world by country for mineral resource assessment, and wrote faculty and student guidebooks to accompany the television series "Out of the Fiery Furnace."

Dr. Griffiths was a Fellow of the Geological Society of America and London, a Fellow of the American Association for the Advancement of Science and a Life Fellow of the Mineralogical Society of America. He also was a member of the International Association of Mathematical Geology.

Arthur L. Harnett, professor emeritus of health and physical education, died May 23 at the age of 84.

Dr. Harnett received B.S. and M.A. degrees from the University of Washington and a doctor of education degree from Columbia University.

He joined the University faculty in 1948. A member of the University Faculty Senate, he also served on the President's Health Education Advisory Committee. For 15 years he directed workshops for teachers, nurses and school administrators. He retired in 1973.

Prior to joining the University faculty, Dr. Harnett served as professor at the University of Florida and visiting professor at the University of Alabama and Indiana University of Pennsylvania.

The author of four textbooks, he was associate editor of the Journal of School Health.

He was a member of the American Public Health Association, the American School Health Association (Distinguished Service Award) and the American Association for Health, Physical Education and Recreation.

Margaret L. McGarry, janitorial worker, Office of Physical Plant, from July 7, 1954, until her retirement Jan. 1, 1974, died May 22 at the age of 80.

Melvin E. Mumaw, manager, Purchases and Stores, Hershey Medical Center, since April 24, 1989, died May 31. He was 43.

Amos J. Snyder, senior designer, electro-mechanic, Applied Research Lab, from Nov. 14, 1966, until his retirement Jan. 1, died May 23 at the age of 61.

Oscar F. Spencer, former director of correspondence study and professor emeritus of petroleum and natural gas extension, died May 23. He was 83.

A graduate of Allegheny College with a bachelor of arts in economics, he was employed from 1930 to 1943 by Kendall Refining Co. in Bradford in its research and development department and as an assistant control chemist.

He joined the University faculty in 1943 as an assistant professor and supervisor of petroleum and natural gas extension. In 1951, he became associate professor in charge of petroleum and natural gas extension in the College of Earth and Mineral Sciences. In 1956, he was promoted to professor of petroleum and natural gas extension and appointed head of the Department of Correspondence Study. He retired in 1971.

Mr. Spencer was the author of a petroleum engineering textbook, Secondary Recovery of Oil, and co-author of four other books. His memberships included the American Chemical Society, Alpha Chi Sigma, Pi Tau Epsilon, Sigma Xi, Pi Epsilon Tau, and Alpha Chi Rho.

Blanch I. Thomson, clerk, typist, College of the Liberal Arts, from Aug. 15, 1960, until her retirement Oct. 1, 1976, died April 26 at the age of 79.

Festival

Continued from Page 1

have gone from 639 alumni attending the initial young reunions in 1984 to about 1,500 for this year."

In addition, other units on campus - like the Admissions Office - also get a boost from the high visibility the University receives during the Arts Festival, according to Ms. Rugh.

Philip Walz, executive director of the Arts Festival, said exhibits of 350 visual artists and the activities of 125 performers will once again attract thousands to the 1992 Festival.

"This event means a lot to the University community, as well as the community at large," he said. "We set about planning the Festival a year, sometimes two years in advance, and it is a tremendous experience for anyone attending."

Highlights of Scheduled Events

For a full listing of events, a 300-page booklet will be available from the Arts Festival office July 1.

Wednesday, July 8 - Children and Youth Day	
The Young Tamburitzans	Noon (Festival Shell)
Leland Faulkner & Co.* (shadow puppets/storytelling)	4, 7 p.m. (Schwab)
Fred Garbo* Field Stage)	6 p.m. (Memorial
Pennsylvania Dance Theatre	8 p.m. (Festival Shell)
Thursday, July 9	
Alan Gaumer Jazz Quintet*	7:30 p.m (Mem. Fld.)
Nittany Valley Symphony*	7:30 p.m. (Schwab)
Cannon Foot & Fiddle Dance	8 p.m (Festival Shell)
Friday, July 10	
Flamenco Ole*	6 p.m. (Schwab)
Peter Ostroushko* (mandolin and fiddle duo)	8 p.m. (Mem Fld)
Salsamba	8 p.m (Festival Shell)
10th Slice of Life Film Series	*9 p.m. (Schwab)
Saturday, July 1	
Booker T. Laury* (Schwab show only) Blues, vocal, piano)	10 a.m. *, 7 p.m. (Fest)
Ed Stivender* (storyteller)	noon, 2 p.m. (Schwab)
Jaasu African Dance Ensemble	1 p.m. (Shell)
The Keystoners *	1 p.m. (Mem Fld St.)
Queen Bee & Blue Hornet Band	5 p.m. (Festival Shell)
Odetta (folk music)	9 p.m. (Festival Shell)
Sunday, July 12	
Das Puppenspiel Puppet Theatre*	noon, 2 p.m. (Schwab)
Tarnished Six	noon (Festival Shell)
Bookends*	6 p.m. (Schwab)
Morgan Valley Road Band	7 p.m. (Mem. Fld)

***Purchase of a $2 button, which covers a variety of activites, is needed for admission to this event.**

Acting dean

Continued from Page 1

and performance, both from the University of Iowa.

Dr. Moeser joined Penn State as dean of the College of Arts and Architecture, executive director of University Arts Services and professor of music in 1986. He served as dean of the School of Fine Arts and professor of music at the University of Kansas from 1975 to 1986.

He received his bachelor's and master's degrees in music from the University of Texas and his doctorate in musical arts from the University of Michigan.

Summer blood drive

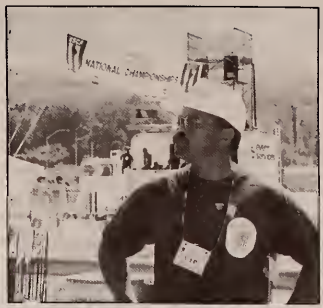
The American Red Cross, Centre Communities Chapter, has planned five blood drives for the University Park Campus in July. Times for the all of the drives are from 10 a.m. to 4 p.m Although walk-in donors are welcome, appointments help volunteers in planning the drives. To make an appointment, or for more information, contact Connie Schroeder, campus coordinator, at 237-2713. The following is a schedule of the drives and their locations:

Monday, July 13	**101 Kern**
Tuesday, July 14	**HUB Ballroom**
Monday, July 27	**126 Housing and Foods**
Thursday, July 30	**Walker Building**
Friday, July 31	**189 MRL**

Altoona Campus

A taste of the Olympics

Food preparer Mary Ann Sims displays some of the 6,000-plus cookies campus workers baked.



James Bowen, manager of Housing and Food Services at Penn State Erie-The Behrend College, lends a hand in Altoona as he surveys the race site. (Photos: Lani Bloomer)

Phyllis Weber, a food production worker, prepares for the onslaught of hungry racers at dinnertime.

1984 Penn State grad Laurie Brandt captured fifth place in the Team Trial race. (Photo: Greg Grieco)

The Altoona Campus was recently converted into an "Olympic Village" as cyclists from all over the country converged on the area to take part in the 1992 Olympic Road Trials that led to the selection of the U.S. Olympic Cycling Team. For 10 days, Altoona Campus personnel, helped by several employees from other Penn State locations, rolled out the red carpet to make Olympic cycling hopefuls comfortable. The 500 athletes consumed truckloads of food, as Housing and Food Services employees worked nearly round-the-clock at Hickory Dining Hall to keep the training table full.

About 300 of the athletes lodged in the residence halls at the campus.

Faculty/Staff Alert

The Parking office has instituted an informational bulletin board which is accessible by any University employee who has access to Emc2/TAO (Mail).

The Parking Office will use this bulletin board to notify University employees of construction projects, road closings, lot maintenance projects, or any other activity which may affect parking availability or accessibility at University Park.

It is recommended that you use the "tracking" feature available on Emc2/TAO. If you are tracking the Parking Information Bulletin Board, you will not have to select the bulletin board to read new messages. Any message you have not seen will automatically be displayed on your terminal as part of your normal Emc2/TAO signon process.

Any questions concerning items appearing on the Parking Information Bulletin Board should be directed to the Parking Office, 125 Grange Building, (865-1436) and not to the bulletin board. You also may access Parking Office personnel on E-Mail through the following addresses: Bruce N. Kline, BNK1; W. Douglas Holmes, WDH1; Carol L. Daughenbaugh, CLD3; Molly A. Munnell, HAC1.

Leave of Absence

College of Agricultural Sciences
Genie T. Hamilton, County Extension Agent (Fayette County), to pursue a master's degree in business administration at West Virginia University.

Carpoolers

Woodward vanpool is looking for non-smoking riders. Work hours are 7 a.m. to 3:30 p.m. Call Paul at 349-8261.

Sue is looking to join a carpool from the Milheim area to University Park. Work hours are 7:30 a.m. to 4:30 p.m. or 8 a.m. to 5 p.m. Call 865-1348.

An employee would like to carpool from Philipsburg to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 865-3146 or 342-4500.

Conference on Rhetoric and Composition to be held July 8-11

Donald McCloskey, professor of economics and history, University of Iowa, will present "The Rhetorical Tetrad—Fact, Logic, Metaphor, and Story" as the keynote address for the 11th annual Penn State Conference on Rhetoric and Composition.

The conference, a nationally-known forum for teachers of writing and scholars of rhetoric and composition, will be held July 8-11 at University Park. Conference participants will present research on effective written communication, discuss theories of public and professional argumentation and share new instructional techniques.

Dr. McCloskey, a well-known critic of traditional approaches to history and economics, is the author of *If You're So Smart: The Narrative of Economic Expertise and Knowledge and Persuasion in Economics*, and co-editor of *The Rhetoric of the Human Science*. As director of Iowa's Project on the Rhetoric of Inquiry, he also is a strong advocate for the study of rhetoric and composition throughout the college curriculum.

His keynote address, at 10:30 a.m. Wednesday, July 8, in 104 Keller Conference Center, is open to the public.

Also featured at the conference are:

Ruggles Gere, professor of English and education, University of Michigan, is a past chair of the Research Foundation of the National Council of Teachers of English and editor of the forthcoming *Into the Field: The Site of Composition Studies*. Her address "Kitchen Tables and Rented Rooms: The Extra Curriculum of Composition," will be presented at 8:30 a.m. Thursday, July 9, in 104 Keller.

Steven Mailloux, professor of English and comparative literature at the University of California at Irvine, is author of *Rhetorical Power* and co-editor of *Interpreting Law and Literature*. He will speak on "Rhetorical Hermeneutics and Cultural Politics," at 4:15 p.m. Friday, July 10, in 104 Keller. Both talks are open to the public.

Conference panel sessions will cover such topics as political, religious, and scientific rhetoric; feminist approaches to rhetoric and writing; multi-media resources for the writing classroom, and writing in the workplace. Workshops will be conducted on new writing assessment techniques, introducing multiculturalism in writing classes, and improving teacher-student communication.

A special three-hour session on Saturday, July 11, will be devoted to integrating reading and writing in the undergraduate curriculum; another three-hour session will focus on peer review and peer tutoring. These sessions are limited to registered conference participants.

For registration or other conference information, contact **Davida Charney** at 865-9703.

Focus on the arts

Music at Penn's Woods

Music at Penn's Woods opens its seventh season with a "Discover Beethoven" concert at 7:30 p.m. Saturday, June 27, in Eisenhower Auditorium at University Park.

Douglas E. Meyer will conduct the 55-piece orchestra performing Beethoven's Prometheus Overture, Triple Concerto, Op. 56 and Symphony No. 6, Op. 68. Dr. Meyer, associate professor of music, is entering his fourth year as director of Penn's Woods.

The Castalia Trio will be featured, uniting three performers of the international concert stage: violinist James Lyon, cellist Kim Cook and pianist Marylene Dosse. They are in-residence at the School of Music and are making their first appearance at Penn's Woods.

Penn's Woods also offers a free chamber music series. The first week's recitals are 3 p.m. Sunday, June 28, and 7:30 p.m. Wednesday, July 1, in the Recital Hall of the School of Music Building.

Music at Penn's Woods continues its seventh season with a patriotic "Discover America" concert at 7:30 p.m. Saturday, July 4, in Schwab Auditorium.

Dr. Meyer will conduct the orchestra, performing Copland's "Appalachian Spring Ballet" for Martha Grofe's Grand Canyon Suite, and Ives' Symphony No. 2.

The musical pieces were chosen for their American origin. Copland's "Appalachian Spring," which received the Pulitzer Prize for Music, is based on a springtime pioneer celebration of a newly built Pennsylvania farmhouse.

The second week's performances in the chamber music series are at 3 p.m. Sunday, July 5, and at 7:30 p.m. Wednesday, July 8, in the School of Music Recital Hall.

Penn's Woods, a program of the School of Music in the College of Arts and Architecture, brings together talented musicians from universities and symphonies all over the country. For one month the musicians live at Penn State.

Tickets for "Discover Beethoven" and for "Discover America" are $8 for adults and $5 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center or the Schwab Box Office.

"Attitudes"

"Attitudes," an exhibition of photography by Raquel Berg, is on display in Pattee Library's Lending Services Gallery through June 30.

The photographs in the exhibition portray male and female attitudes and were taken in New Jersey and State College.

A Penn State alumna, Ms. Berg earned a bachelor of arts in art with a specialty in photography. Currently, she is a freelance artist in New York City and a graduate student at New York University in the School of Education, Health, Nursing, and Arts Professions.

Her works have been shown in the Hetzel Union Building and Zoller galleries at University Park and in the 24th annual Juried Museum Exhibition of the Greater Harrisburg Arts Festival.

Pattee exhibit

Color photographs by Diane Watson are on display in Pattee Library's West Lobby Gallery through June 30.

Ms. Watson is a senior at Penn State in the bachelor of fine arts photography program. Her works were shown recently in the Penn State Photography Department Show, the Penn State Undergraduate Juried Exhibition, and the "Women by Women Photographers" exhibit held in Wisconsin.

Quartet to compete

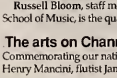
The Penn State Varsity Quartet has qualified for the 1992 Collegiate Quartet Harmony Sweepstakes. The quartet, members of the Penn State Glee Club, won the Mid-Atlantic District competition in Harrisburg to qualify as one of 12 quartets nationally. The new barbershop quartet contest is sponsored by the Society for the Preservation and Encouragement of Barbershop Quartet Singing in America and will be held July 1 in New Orleans.

The quartet members are **Gordon Berkebile**, tenor, a recent graduate in the Department of Landscape Architecture; **Matt Yoder**, lead, a junior in the School of Communications; **Matt Newman**, baritone, a sophomore majoring in music, and **Aaron Jacoby** a sophomore majoring in science.

Russell Bloom, staff member in the School of Music, is the quartet's coach

The arts on Channel 3

Commemorating our nation's birthday, Henry Mancini, flutist James Galway, and internationally-acclaimed singer Julia Mingenes are among the special talent gathered for A Capital Fourth, airing at 8 p.m. Saturday, July 4, live from the Mall in Washington, D.C. Rousing orchestra music and a cascade of fireworks high above the Washington Monument promise to make this a truly memorable Fourth of July celebration.



Artworks, airing at 11 a.m. Sunday, July 5, presents an encore broadcast of "The Sava River: A New History," featuring the work of Helen Mayer Harrison and Newton Harrison.

The program reveals how coal mines, railroads, factories and a nuclear plant have taken their toll on the Sava River floodplain, the second largest alluvial wetland remaining in Europe. Through photo collages, poems, sketches and dramatic readings, the Harrisons present the story of the river, as well as proposals to reclaim the area, and, in essence, write a "new history" for the Sava.

High school band camp

The Penn State High School Band Camp will be held July 19-25. Students who have completed the eighth grade are eligible to attend.

Although the camp emphasizes concert band with daily sectional rehearsals, there will be other options offered. Students can choose from jazz band, basic or advanced; improvisation or music theory; and small ensembles.

Ned C. Dethl, with a staff of graduate assistants and public school music teachers, will direct the camp. **Jeff Kunkel**, jazz pianist, arranger and teaching assistant in jazz studies, will coach the two jazz bands. Other University faculty members will assist with master clinics.

On Friday, July 24, the jazz bands will present a concert, and the band and choir will present a concert Saturday, July 25.

For more information about the High School Band Camp, call the Keller Conference Center at 863-3551 or the band office at 865-3982.

Arts Festival exhibit

The Penn State Bookstore on Campus has on exhibit Arts Festival banners from the permanent collection of the Central Pennsylvania Festival of the Arts. The exhibit will continue until July 17. Arts Festival posters from the past 25 years also will be on display throughout the store during the same time period.

The Bookstore is one of six locations, where, prior to the start of the Arts Festival, buttons, tee-shirts and posters may be purchased to support the CPFA. For additional information, contact **Elizabeth Wilson** at the Penn State Bookstore, 863-3250.

Elderhostel concerts

The Fred Waring Elderhostel Chorus will present two concerts this summer. The first presentation will be in the School of Music's Recital Hall, Friday, July 10 at 7 p.m. The second presentation is 7 p.m., July 17 at the Foxdale Retirement Village on South Atherton Street.

The Fred Waring Elderhostel sessions are for senior citizens who want to learn to sing "the Fred Waring way." Two choral directors who have been with the Fred Waring Organization will direct the singers in a short program of music, including a medley of swinging spirituals, 50s music, broadway and patriotic tunes.

Now in its twelfth year at Penn State, the Fred Waring Elderhostel concerts are open free to the public.

Promotions

Staff Exempt

Rebecca S. Bartuska, to advisor/counseling specialist at Hazleton Campus.
Linda M. Duerr, to coordinator, child development lab in Health and Human Development.
Colette R. Grandstaff, to coordinator, Emergency Department at Hershey.
Ryan L. Hockensmith, to assistant extension agent in Agricultural Sciences.
Michael J. Holland, to grants and contracts officer at Hershey.
Jan L. Shoemaker, to administrative assistant in College of the Liberal Arts.
Barbara L. Suchanec, to assistant to senior associate hospital director at Hershey.
Rodd M. Welker, to assistant director, Campus Life at Mont Alto Campus.

Staff Non-Exempt

Donna D. Ceschini, to surgical head nurse at Hershey Medical Center.
Kristin J. Clark, to staff nurse/nurse clinician at Hershey Medical Center.
Jeannie A. Maillet, to administrative aide at Hershey Medical Center.
Lisa J. Sharkey, to accounting aide in Engineering.
Carol S. Shupp, to clinical head nurse at Hershey Medical Center.

Clerical

C. Christine Butts, to secretary B in Agricultural Sciences.
Tracy S. Desoto, to secretary C in Engineering.
Bambi J. Gates, to senior accounting clerk in Agricultural Sciences.
Debra S. Greenleaf, to senior accounting clerk in C&IS-Telecommunications.
Barbara A. Johnson, to secretary B in Engineering.
Kathy B. Ricker, to secretary A in Office of Human Resources.
Eileen M. Springer, to purchasing clerk in Purchasing Services.
Elizabeth A. Vonada, to accounting clerk in Engineering.

Technical Service

Reginald E. Evans, to utility worker at Hershey Medical Center.
Barbara L. Kreiser, to storeroom clerk C at Hershey Medical Center.
Debra M. Miller, to utility worker at Hershey Medical Center.
David L. Snyder, to patient care assistant A at Hershey Medical Center.
Mary G. Zellers, to utility worker at Hershey Medical Center.

University Park Calendar

June 25 - July 12

Special Events

Thursday, June 25
"Diversions," music at noon, Fisher Plaza. Passport.
Workshop, 2-3 p.m., Schlow Memorial Library. Molly Bang on "Picture Books for Children."
"Diversions," ice skating, 8-11 p.m., Penn State Ice Rink.
Friday, June 26
Ice Cream, "Diversions," 7-8 p.m., Creamery/Pavilion. Deacons of Dixie.
Saturday, June 27
Shaver's Creek, 7-8:30 p.m., Beavers By the Bridge. Call 863-2000.
Music at Penn's Woods, 7:30 p.m., Eisenhower Aud. "Discover Beethoven."
Sunday, June 28
Music at Penn's Woods, chamber concert, 3 p.m., Recital Hall.
Shaver's Creek, 8:30-10:30 p.m., Summer Stargazing Program II. (Cloud date Monday, June 29). Call 863-2000.
Monday, June 29
Shaver's Creek Summer Series, Discovery Day Camp (ages 8-11), through July 3. Also Eco-Venture, (ages 14-17), through July 3 Call 863-2000.
Bowling, "Diversions," 7-9 p.m. or 9-11 p.m., Penn State Lanes, Rec Hall.
■ German films, 8 p.m., 108 Wartik. Die Brucke (The Bridge, 1960).
Tuesday, June 30
Professional Women at Penn State, Brown Bag Lunch Meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Mary Anne Knapp on "Enhancing Your Self Esteem: Taking Care of Yourself at Work."
"Diversions," music at noon, Fisher Plaza. Gordon Law Quintet.
Wednesday, July 1
"Out of the Past, 7-9 p.m., Schwab Aud. Stephen Houston, Vanderbilt Univ., on "Signs and Symbols."
Music at Penn's Woods, chamber concert, 7:30 p.m., Recital Hall.
Summer Sessions, film, dusk, HUB lawn. Driving Miss Daisy. (Rain location, 9 p.m., HUB Assembly Room.
PA Centre Stage, 8 p.m., Pavilion Theatre. Brighton Beach Memoirs, through July 4 Also George M!, through July 4, 7-11, 14-18, 8 p.m., The Playhouse.
Thursday, July 2
Lectures, 11 a.m., 232 Hammond. Jung Yul Yoo, Seoul National Univ., on "Numerical Study on Three-Dimensional Viscous Flows Through Turbine Cascades." And 2:10 p.m., 232 Hammond. Shin-Hyoung Kang on "Numerical Calculations of the Turbulent Flow Through a Controlled Diffusion Blade in Cascade."
"Diversions," music at noon, Fisher Plaza Andrew Jackson.
Friday, July 3
Ice Cream, "Diversions," 7-8 p.m., Creamery/Pavilion Chip Lovett.
Saturday, July 4
Independence Day, no classes.
Music at Penn's Woods, 7:30 p.m., Schwab Aud. Discover America.
Sunday, July 5
Music at Penn's Woods, chamber concert, 3 p.m., Recital Hall.
Monday, July 6
■ German film, 8 p.m., 108 Wartik. Tatort-Scrie: Reifezeugnis (Series "Scene of the Crime": Certificate of Maturity, 1976).
Wednesday, July 8
Central PA Festival of the Arts, Children's Day.
Shaver's Creek, Children's Day, 10 a.m.-5 p.m., lawn of Old Main. Birds of prey, turtles, snakes, skulls and skins, exhibits.

"Attitudes," an exhibitian at phalagraphy by Raquel Berg, partrays male and female attitudes and were taken in New Jersey and State College. The exhibitian is an display in Pattee Library's Lending Services Gallery through June 30.

"Out of the Past," 7-9 p.m., 121 Sparks. Barbara Voorhies, Univ. of Calif. at Santa Barbara, on "Power, Prestige, and Wealth."
Music at Penn's Woods, chamber concert, 7:30 p.m., Recital Hall.
Summer Sessions, film, dusk, HUB lawn. An American Tail II: Fievel Goes W. (Rain location, 9 p.m., HUB Assembly Room.)
Thursday, July 9
Central PA Festival of the Arts, Sidewalk Sales, through July 12.
Trustees meet at McKeesport, through July 10.
Friday, July 10
Young Alumni Reunion Classes of '72, '77, '82, '87, through July 12.
Saturday, July 11
PA Centre Stage, 2 p.m., The Playhouse. Ain't Misbehavin'. Also July 18.
Music at Penn's Woods, 7:30 p.m., Schwab Aud. Discover the Arts.
Sunday, July 12
Music at Penn's Woods, chamber concert, 3 p.m., Recital Hall.

Public Radio

WPSU-FM 91.1
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m Thursdays.

Conferences

June 25-30. Seminar on New Historicism; 75 attendees; Nittany Lion Inn; Wendell Harris, chair; Chuck Herd, coordinator.
June 26-27. District 1199P; 160 attendees; Residence Halls; M. Ali, chair; W. Sterner, coordinator.
June 26-28. Piano Teachers Workshop; 10 attendees; Residence Halls; Russell Bloom, chair; Kathy Karchner, coordinator.
June 28-July 1. Play Therapy; 16 attendees; North Halls; Louise Guerney, chair; Kathy Karchner, coordinator.
June 28-July 4. Computer Elderhostel II; 40 attendees; Runkle Hall; John Moore, chair; Roger Maclean, coordinator.
July 5-11. Waring Elderhostel I; 70 attendees; Runkle Hall; Pete Kiefer, chair; Jack Sinclair, coordinator.
July 5-17. Ms. Wiz I; 50 attendees; Pollock Hall; Sharon Luck, chair; Donna Ricketts, coordinator.
July 5-31. Science Engineering Careers; 72 attendees; Pollock Commons; Robert Pangborn, chair; Barbara Impellitteri, coordinator.
July 6-10. The Changing Family: Economics Educators; 20 attendees; Nittany Budget Best Western; C. Sovich, chair; Donna Ricketts, coordinator.
July 6-24. Program for Improving Elementary Science; 30 attendees; North Halls; Robert Nicely, chair; Barbara Impellitteri, coordinator.
July 6-31. Nuclear Concepts '92; 40 attendees; North Halls; Candace Davison, chair; William Sterner, coordinator.
July 8-11. Rhetoric and Composition Conference; 225 attendees; Nittany Lion Inn/Days Inn/Holiday Inn/Hampton Inn/Best Western; Davida Charney, chair; Roger Maclean, coordinator.
July 9-11. Minority Advanced Placement Program; 130 attendees; Redifer Commons; Daniel Trevino, chair; Chuck Herd, coordinator.
July 9-12. Association of Departments of English; 75 attendees; Nittany Lion Inn; David Laurence, chair; Eric Loop, coordinator.
July 12-16. Alumni College; 100 attendees; Nittany Lion Inn; Diane Ryan, chair; Roger Maclean, coordinator.
July 12-16. School Food Service Institute; 200 attendees; Nittany Lion Inn/Leete Hall; Fred DeMicco, chair; Barbara Impellitteri, coordinator.
July 12-17. Earth and Mineral Sciences Westinghouse; 24 attendees; Pollock Commons; John Lee, chair; Donna Ricketts, coordinator.
July 12-17. See the Future; 30 attendees; East Halls; John Vincenti, chair; Roger Maclean, coordinator.
July 12-17. Renaissance in Engineering Education Workshop; 25 attendees; North Halls; Tony Amos, chair; Donna Ricketts, coordinator
July 12-18. Waring Elderhostel II; 70 attendees; Runkle Hall; Pete Kiefer, chair; Jack Sinclair, coordinator.
July 12-Aug. 8. Business, Engineering and Science Technology Summer Program; 24 attendees; South Halls; Dan Davis, chair; Donna Ricketts, coordinator.

Exhibits

Hetzel Union Art Galleries:
Formal Gallery, Browsing Gallery:
Central PA Festival of the Arts: Mixed Media, June 30-July 31.
Art Alley Panels:
Joe Bazerque, drawings, July 6-Aug. 2.
Pattee Library
East Corridor Gallery:
Xi Dan, "New Classic Paintings," and Ningyu Jiang, "Life and Dream", through June 30.
Lending Services Gallery:
"Attitudes," an exhibition of photography by Raquel Berg, through June 30.
Rare Books Room:
Pochoir. The Art of the Stenciled Book, through Aug. 14
West Lobby Gallery:
Diane Walsen, color photographs, through June 30.
Zoller Gallery
Crafts National 26, a juried exhibition of contemporary crafts, through July 26.

Tips

Information Penn State
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234, Arts Line—345; University Calendar—456.
■ **Reflects an international perspective**

Highlight on Undergraduate Education

Two international plastics awards are the latest honors for students pursuing undergraduate research at Penn State Erie, The Behrend College.

In May, The Society of Plastics Engineers presented "best student paper" awards to senior plastics engineering technology majors **Jason Williams** and **Tom Sada** at its Annual Technical Conference (ANTEC) held in Detroit.

Mr. Williams was awarded $1,000 for presenting the best overall student paper, "Utilizing StereoLithography in Semi-Hard Tooling." Mr. Sada received $500 and best paper honors in the Injection Molding Division for "Comparing Hesitation in Actual Processes and When Using Injection Molding Software Analysis."

For the fourth consecutive year, the majority of paper presentations given at ANTEC were by Penn State-Behrend students. Of the 32 papers accepted from students at 10 universities representing four countries, 14 were written by students from Penn State Behrend's on-campus Plastics Technical Center. The university with the second-highest number of accepted papers had four.

Other research honors during the spring semester:

— Three of the four 1992 Hoechst-Celanese Excellence in Undergraduate Engineering Research awards presented nationally by the Summit, N.J.-based manufacturer were awarded to Penn State-Behrend students.

"My colleagues and I are committed to making research a major component of undergraduate education."

Robert Light
Penn State-Behrend associate dean

— Five mechanical engineering technology students presented their senior design projects—all sponsored and funded by Erie-area corporations—at the American Society of Mechanical Engineers' student conference in Youngstown, Ohio. Three of the students were honored for their presentations.

— Four students and three December graduates presented scientific research at the Sixth National Conference on Undergraduate Research held in Minneapolis.

— One undergraduate research paper was presented at the Pennsylvania Academy of Science in Mt. Pocono; two students presented papers at the State System of Higher Education Research Conference at Slippery Rock University.

Penn State-Behrend's first Undergraduate Student Research and Creative Accomplishment Conference held in April showcased 15 student paper presentations and four poster presentations in all disciplines, from a Mossbauer study of a novel pentagonal bipyramidal iron compound to mathematical equations that attempt to measure a baseball player's salary versus his value to his team.

"My colleagues and I are committed to making research a major component of undergraduate education," **Robert Light**, Penn State-Behrend associate dean for graduate studies, research, continuing education, and economic development, said. "We feel that it is beneficial to both the students and their cooperating faculty members."

Office of Administrative Systems

Management Services name change reflects duties

The Department of Management Services has changed its name to the Office of Administrative Systems (OAS) to more accurately reflect what it does within the University.

Located in the basement of Shields Building at University Park, OAS is the central University office responsible for designing, developing and deploying administrative systems that integrate the University into a single coherent institution. It also provides operational support, productivity and information services to all levels of the University.

Kenneth Blythe, OAS director, said the name change "signals a rededication to the support of all offices of the University with the best administrative systems possible."

As the central University resource responsible for supporting administrative data processing, OAS provides data processing and information systems support through the design, development, maintenance and operation of all centralized administrative databases.

The office also is the focal point of the University's initiative to modernize its administrative support tools through the development of the Integrated Student Information System (ISIS) and the Integrated Business Information System (IBIS).

"OAS is extending its services to offices throughout the University," Mr. Blythe said, "through its Administrative Training and Support Center and User Initiative activities."

Along with changing its name, OAS is changing its organizational structure. For the last year-and-a-half, it has been studying the policy and cultural implications of self-directed work groups (SDWGs) with the objective of implementing them. An SDWG structure provides quality improvements by giving the members of work groups more latitude to make decisions about their daily activities.

"The theory is that continuous improvement is achieved by the continuous involvement of everyone working together in work groups," Mr. Blythe said. "OAS is attempting to put that theory to work."

Bookshelf

Robert Lima, professor of Spanish and comparative literature and Fellow of the Institute for the Arts and Humanistic Studies, is the author of *MAYLAND*, a new book of poetry, published by Editorial Betania, of Madrid, Spain.

MAYLAND is a collection of poems in English and Spanish which Dr. Lima has written about temples, artifacts and myths of the Maya, whose civilization disappeared in pre-Hispanic antiquity.

Frank Swetz, professor of mathematics and education at Penn State Harrisburg, is the author of *The Sea Island Mathematical Manual: Surveying and Mathematics in Ancient China*, published by the Penn State Press.

The book is an annotated translation and analysis of the *Haidao Suanjing*, a Chinese mathematical classic composed by Liu Hui in A.D. 263. The *Haidao* is one of the "Ten Classics" of traditional Chinese mathematics, and its contents demonstrate the high standards of theoretical and mathematical sophistication present in early Chinese surveying theory.

Dr. Swetz provides an analysis of the *Haidao's* surveying problems. In particular, he details surveying techniques and undertakes a mathematical exposition of the Chinese chong-cha solution procedures.

The study complements and extends the findings of Dr. Swetz's previous book, *Was Pythagoras Chinese? An Examination of Right Triangle Theory in Ancient China*.

Mary Ellen Litzinger, senior assistant librarian and instruction specialist, is co-editor of *The Evolving Educational Mission of the Library*, published by the Association of College and Research Libraries.

The book is a collection of essays that identify strategic issues that challenge the development of instructional programs in academic libraries and suggest roles for librarians in the educational process of their parent institutions.

Z.T. Bieniawski, professor of mineral engineering, is the author of *Design Methodology in Rock Engineering: Theory, Education and Practice* published by A.A. Balkema, Rotterdam.

The book is unique because it is the first comprehensive treatment of this subject and it emphasizes that a good designer needs not only knowledge for designing (technical knowledge) but also must have knowledge about the design process to follow.

Design methodology today is recognized in most fields as crucial to the success of a new product, process, or construction project. The book presents the state of the art in design methodologies throughout the world.

To preserve the momentum of the design message, an extensive treatment of design education, including high school and college curricula, is discussed. A separate chapter is devoted to skills development, presenting the designer with a large repertoire of widely available tools and concepts for communication skills, idea generation, and management of design innovation.

Appointments

Three new associate deans have been appointed in the College of the Liberal Arts. They are:

— **Margaret M. Cote**, associate professor of English, associate dean of the Commonwealth Educational System.

— **Ronald L. Filippelli**, professor and head of the Department of Labor Studies and Industrial Relations, associate dean for administration, planning, and personnel.

— **Raymond E. Lombra**, professor of economics, associate dean for research and graduate studies.

Or. Cote will be responsible for recruiting of faculty and faculty development and will serve as a liaison between the College of the Liberal Arts and the Commonwealth Campus system. She also will oversee all continuing education services for the college.

A faculty member since 1978, she held an administrative internship in the college's CES office in 1987 and has served as interim associate dean since 1990. She has taught at both the Hazleton and Allentown campuses. She also has directed programs to help elementary and high school teachers teach writing and rhetoric, including the Penn State Rhetoric Project funded by the National Endowment for the Humanities. She currently directs the Lehigh Valley Writing Project, a site of the National Writing Project.

Dr. Cote was president of the Pennsylvania Association of Two-Year Colleges in 1984-85 and was named Lehigh Valley Outstanding Academic Woman of the Year in 1989. She received her bachelor's degree in English from Carlow College in Pittsburgh and her doctorate from Catholic University of America.

Dr. Filippelli will be responsible for academic and non-academic personnel matters, space allocation, strategic planning and college information.

He received all his degrees from Penn State, including a Ph.D. in history. He joined the University staff in 1967 as archivist for the Pennsylvania Historical Collections and Labor Archives in Pattee Library. In 1982, he became head of the Department of Labor Studies and Industrial Relations. He is the author or editor of three books and has published numerous book chapters and articles. He also has conducted research under grants and contracts from governmental and private agencies.

Dr. Filippelli has held visiting faculty positions at Warwick University, England, the University of Melbourne, Australia, and the University of Calabria, Italy. Among other positions, he currently is a member of the editorial committee of Penn State Press and vice president of the advisory committee for The Daily Collegian.

Or. Lombra will be responsible for improving the infrastructure supporting faculty research and graduate programs, consistent with the goals laid out in the college's strategic plan.

He received his B.A. from Providence College and his M.A. and Ph.D. degrees from Penn State. Following seven years as a senior staff adviser at the Federal Reserve in Washington, D.C., he joined the University faculty in 1977. He has taught undergraduate courses in macroeconomics, international economics, money and banking, and advanced graduate courses in monetary theory and policy.

Dr. Lombra received the Distinguished Teaching Award from the

Margaret M. Cote

Ronald T. Filipelli

College of the Liberal Arts in 1987. Supervising 30 dissertations, he has been extremely active in working with and placing graduate students. He is the author or editor of four books and over 60 scholarly articles. His research focuses on the conduct of monetary policy, the causes and consequences of financial innovation with deregulation, and the effects of globalization on the financial system.

Bobby Lewis White has been named director of legislative affairs in the Office of Governmental Affairs.

In announcing the appointment, **David R. Schuckers**, special assistant to the president for governmental affairs, said Mr. White will serve as a liaison between the University and the Federal Government, with primary emphasis on Capitol Hill.

Raymond E. Lombra

Bobby Lewis White

Jennifer L. Brock

Since January 1989, Mr. White has been employed in the Office of Undergraduate Admissions, where he served as an alumni recruitment and admissions counselor with primary responsibility for training alumni to enhance admissions recruitment efforts. Also, since August 1990, he has been a counselor in the University's Academic Support Center for Student Athletes.

Currently, Mr. White is in the process of completing his master's degree in counselor education in the College of Education. He graduated from Penn State in 1987 with a B.S. degree in administration of justice. He was captain of the Nittany Lion 1986-87 national championship football team.

In the community, Mr. White is a Big Brother volunteer for the Second Mile Youth Home and serves as a member of the board of directors of the Second Mile. He is a member of the Lions Paw Honor Society.

Jennifer L. Brock, has been appointed public information and media relations specialist at the Penn State Worthington Scranton Campus.

She will be responsible to the director of university relations for organizing and conducting a comprehensive public information program for the campus. She also will be responsible for the production of all campus publications.

Prior to joining the Worthington Scranton Campus staff, Ms. Brock spent four years as coordinator of publicity and special programs at the University of Rochester in Rochester, N.Y. In this capacity, she functioned as liaison to local print, radio, and television media for the publicity of courses and events.

She also has held the positions of freelance writer-editor for Technical Educational Resources, Eastman Kodak Company, Rochester, N.Y., and media center supervisor at Cedarville College, Cedarville, Ohio. Most recently, she was employed as an editor at International Correspondence Schools in Scranton.

Ms. Brock earned her bachelor of arts degree in English from Cedarville College and her master of arts degree in English from the University of Rochester.

Jay Schenck has been named regional director for PENNTAP (Pennsylvania Technical Assistance Program), which recently opened a new field office at Penn State Erie, The Behrend College.

Since 1989 Mr. Schenck has been employed at Penn State-Behrend as a research engineer in the Plastics Technical Center, where he also coordinated Ben Franklin Challenge Grant partnerships.

He also has worked in local industry in consulting engineering, sales engineering management, production control management, industrial engineering, processa engineering, and manufacturing management.

Mr. Schenck graduated in 1970 from Iowa State University with a bachelor's degree in industrial engineering. He is a member of the Society of Plastics Engineers.

Out of the Past series continues

Anthropological video episodes set to air in July

Signs & Symbols, the fourth episode of "Out of the Past," will be shown at 7 p.m. July 1 in Schwab Auditorium at University Park. A presentation by Stephen D. Houston, assistant professor of anthropology and of Latin American studies, Vanderbilt University, will follow.

From ancient rock art through elaborate hieroglyphics to Latin and Cyrillic script, signs and symbols have served as a means of artistic and intellectual expression. This episode explores the written and the pictorial record left by people through the ages, and the difficulties archaeologists face in interpreting ancient symbols.

"Out of the Past" was produced by University anthropology professors, William T. Sanders and David Webster, in conjunction with WQED-TV Pittsburgh, and Cambridge Studios, Boston. The series was funded by the Annenberg/CPB Project, the Media Program of the National Endowment for the Humanities, the National Science Foundation and Penn State. Public Broadcasting System airing is scheduled for Spring 1993.

Mexican design

Dr. Houston is interested in methods of decipherment of art and ancient writing. He is especially interested in Precolumbian art of Mesoamerica and Maya Art.

His dissertation, "The Inscriptions and Monumental Art of Dos Pilas Guatemala: A Study of Classic Maya History and Politics" focused on the Maya, writing and art. He is currently working on *Ancient Maya Writing* and *Essays on Ancient Maya Writing: A Sourcebook* with David Stuart and has completed *Classic Maya Place Names*, also with David Stuart, *History and Hieroglyphs at Dos Pilas: Dynastic Politics of the Classic Maya* and *Reading the Past: Maya Glyphs*.

He is co-editor and founder of the journal *Ancient Mesoamerica* and a member of the advisory board for *Relacion*. His research has taken him to Lake Petexbatun, Peten and Dos Pilas, Guatemala; Caracol, Belize, and Bonampak, Mexico. He is co-director of Proyecto Petexbatun/Dos Pilas, Guatemala and served as field director in 1990.

Dr. Houston received a B.A. in anthropology from the University of Pennsylvania in 1980, an M. Phil in anthropology and a Ph.D. in anthropology from Yale University in 1983 and 1987, respectively.

July 8 episode to focus on power, prestige and wealth of past civilizations

Barbara Voorhies

The *Power, Prestige, and Wealth* episode of "Out of the Past" will premier in 121 Sparks Building at University Park at 7 p.m. July 8. A discussion by Barbara Voorhies, professor of anthropology, University of California at Santa Barbara will follow.

Power, prestige and wealth were as important to past civilizations as they are today and this segment details the rise and fall of social systems, governments, dynasties and the elite few that controlled wealth and power in the past.

Dr. Voorhies interests are in the prehistory of Mesoamerica with a special interest in coastal habitats. She has done extensive research in coastal river systems, shell middens and other specifics of the coastal area of Chiapas, Mexico. She also has carried out research in San Felipe, Guatemala.

She received a B.S. in geology from Tufts University in 1961 and a Ph.D. in anthropology from Yale University in 1969. Dr. Voorhies began her teaching career in 1969 as an assistant professor at San Diego State College and was a visiting professor at the University of California, Santa Barbara in 1970. In 1971 she became assistant professor and was promoted to associate professor and professor in 1977 and 1982, respectively. She served as the chair of Santa Barbara's Anthropology Department from 1985 to 1987.

She is a member of Sigma Xi and a Fellow of the American Anthropological Association.

Internal search begins for department head

The College of Education has announced an internal search for the position of head, Department of Counselor Education, Counseling Psychology, and Rehabilitation Services Education.

Major responsibilities include: providing leadership with respect to the programs, research and professional service activities of the department; organizing and recommending faculty assignments; evaluating and making recommendations concerning promotion, tenure, and salary; maintaining a positive climate of professional productivity and cooperation among faculty in the programs of the department; managing department operating budget; serving as chief administrative officer of the department; pursuing relevant scholarship and research and teaching.

Qualifications include: appointment as a tenured professor or associate professor in one of the programs within the department; appointment as a senior member of the graduate faculty; ability to work effectively with students, faculty, and other administrative personnel in the University, as well as with state and national agencies; knowledge and experience in performing administrative responsibilities in higher education; background of excellent teaching; a record of scholarship and research, including experience with funded projects; and experience with doctoral level advising, research, and program development.

Submit applications and nominations to Rodney J. Reed, dean and Pennsylvania professor of education, 275 Chambers Building, University Park, PA 16802. Applicants should submit a cover letter addressing the responsibilities and qualifications listed above and including the names, addresses, and telephone numbers of three references. A current professional vita is required.

Application deadline is July 9. Appointment will be effective July 15, or soon as possible thereafter.

News in Brief

Fluid dynamics lectures

Two members of the Seoul National University Department of Mechanical Engineering will present fluid dynamics lectures Thursday, July 2, in the College of Engineering at University Park.

Jung Yul Yoo, professor of mechanical engineering, will present "Numerical Study on Three-dimensional Viscous Flows Through Turbine Cascades," at 11 a.m.

Shin-Hyoung Kang will present "Numerical Calculations of the Turbulent Flow Through a Controlled Diffusion Blade in Cascade," at 2:10 p.m.

Both hour-long sessions will be presented in 232 Hammond Building. The lectures are free to the public. For more information, contact George S. Dulikravich, associate professor of aerospace engineering, at 863-0134.

Fireworks display

The annual display of fireworks at Beaver Stadium will be held Friday, July 3, to celebrate Independence Day. Fireworks will begin at 9:15 p.m. The event is sponsored by the Sunrise Kiwanis Club of State College.

Gay and Lesbian Book Month

The Penn State Bookstore on Campus is observing June as the first National Gay and Lesbian Book Month. A special selection reflecting books of gay and lesbian interest is on display throughout the month.

The Publishing Triangle, an association for lesbians and gay men working in the publishing industry, has created this designation for June, coinciding with Gay Pride Month. The promotion is designed to bring lesbian and gay books to the attention of a wider public.

The American Booksellers Association recently announced its plans to publish a specialty newsletter dedicated to news about publishing and selling lesbian and gay titles.

For more information, contact Sharlene Marbury at the Penn State Bookstore on Campus, 863-3586.

Bookstore Hours

The Penn State Bookstore on Campus will be closed on July 4 in observation of Independence Day. The bookstore will resume normal operating hours on Sunday, July 5.

Regular hours are: Monday through Thursday, 8 a.m. to 8 p.m.; Friday, 8 a.m. to 5:30 p.m.; Saturday, 9 a.m. to 5 p.m. and Sunday, noon to 4 p.m. Sidewalk sales will resume on July 6, from 9:30 a.m. to 4 p.m. weekdays.

Parent support groups

Penn State Parent Support Groups will be meeting over the noontime lunch hour.

Topics include "Family Talk," "Food for the Working Family," "Sharing Roles and Responsibilities," and "Are you Listening?" Each topic has three different sessions offered on different dates at various locations at University Park.

For more information or to receive a registration form, call Child Care Program Services at 865-5886. The meetings are sponsored by Centre County Cooperative Extension and Child Care Program Services in the Office of HUman Resources

Revolutionizing the food industry

The tiny yellow pellets of egg concentrate are free-flowing - that means they can go from freezer to use with no thawing necessary.

University food scientists have developed a method for making an egg concentrate that's not only tasty, but also retains the functional properties of eggs — a discovery that could make baking a breeze and shell eggs obsolete.

"This find opens up many markets and options for bakeries, candy manufacturers and the food processing industry as a whole," said **Joseph MacNeil**, professor of food science in the College of Agricultural Sciences. "Right now the industry relies on frozen eggs, but egg concentrate will save time and money, and help manufacturers control the quality of their products. It could mean a large decline in the use of shell eggs within the next decade."

For consumers, home use of concentrated eggs is on the horizon and the use of egg concentrate by the food industry could result in lower prices on some items.

Egg concentrate appears in the form of tiny, yellow pellets, about half the size of a pea. Dr. MacNeil's concentrate process involves the use of vacuum evaporation and the quick freezing of the egg solution. Individually quick-frozen egg concentrate mixture requires no thawing, is free-flowing and can go from freezer to batter with no preparation. The egg concentrate melts, much like butter, when it comes into contact with any heat — even warmth generated by the hand.

"This process is similar to how vegetables are individually quick frozen for use by consumers," Dr. MacNeil explained. "They do not clump together when taken from the freezer but, instead, can be taken out in the portion that is desired, and like frozen vegetables, retain their flavor quality."

Because whole eggs are comprised of between 70 percent and 80 percent water, a feasible solution for removing the moisture has long been sought by the food industry. By eliminating the water, egg concentrate can be shipped at a lower cost, frozen more effectively and efficiently, used as an aid to chill certain foods, and can also help control the amount of moisture that goes into products.

"Controlling moisture is key to the quality of many food products. Added moisture not only creates a quality problem, but also results in added expenses for treating that water," said **Ann McCandlish**, graduate student in food science. "With egg concentrate, the option is there to add water or to not add water. In addition, from a food safety angle, this is one of the safest products because there is limited handling."

Professor Joseph MacNeil and graduate assistant Ann McCandlish test their IQF egg concentrate in baked goods. (Photos: Steve Williams)

Although there are currently two methods for concentrating eggs — ultra filtration and reverse osmosis — both are expensive and not widely used. Instead, companies that use large amounts of beaten eggs, yolks or whites, have been receiving them frozen in 30-pound vats or in large tanker trucks. Problems in thawing the material, spoilage and shipping costs have, at times, created problems for food processors.

The concentrate process begins with placing mixed whole eggs, egg whites or egg yolks into a vacuum chamber. Because vacuum procedures cause temperatures in the chamber to drop below the freezing point, some heat is necessary to maintain a suitable temperature for concentrating. Water that is present in the egg mixture is drawn out by the vacuum, creating a thick solution, which can then be individually quick frozen in an additional process.

"This is an extremely tricky operation, since too much heat will destroy the functional properties of the egg, which are needed to make cakes rise and frostings fluffy," Dr. MacNeil explained. "It takes very little heat to affect the flavor and characteristics of eggs."

During the quick freeze stage, the egg batter is extruded into small depressions on a drum that is immersed in liquid nitrogen. The liquid nitrogen acts as a cooling agent, making the drum extremely cold. Once the egg solution comes into contact with the icy cold drum surface, it freezes in the drum cavities and creates the egg concentrate pellets.

"The demand for concentrated eggs is there," Dr. MacNeil said. "In every step of this process, there are usable, salable items. This is something that is exciting the food industry."

The next step in Dr. MacNeil's research is to take the individually quick frozen pellets and freeze dry them or use a low-temperature air drying system invented by colleague **Frank Schmidt**. This step would create an egg powder that had not been subjected to high heat and would therefore retain its original egg taste.

"Many egg powders that have been tested previously have gotten the thumbs down from consumers who don't find them palatable," Dr. MacNeil said. "Egg powder made from concentrate will taste good and will be easier and faster to dry since the water has been removed."

— **Lisa M. Rosellini**

Award established in employee's memory

Tom Runkle
First recipient

In memory of fellow employee **Tom Caldwell**, the Office of Administrative Systems, formerly Management Services, has established the Thomas R. Caldwell Service Award for Excellence.

Tom Caldwell, a senior systems analyst for Management Services for 15 years, was killed in a house fire April 10, 1991.

In announcing the creation of the award, **Ken Blythe**, OAS director said, "throughout his career, Tom Caldwell often gave more than was asked of him. He was an outstanding technician whose innovation improved the professional environment for all of us.

"I believe there are others in the Office of Administrative Systems who, in their own way, are also making a tremendous contribution to our organization. To preserve the memory of Tom and recognize the efforts of these individuals, the Office of Administrative Systems has established an annual Thomas R. Caldwell Service Award for Excellence."

All employees of the Office of Administrative Systems are eligible for the award and the nominees are selected by OAS personnel. Nominees are judged on dedication to their job, interpersonal relations and outstanding job knowledge.

The recipient of the first Thomas R. Caldwell Service Award for Excellence is **Tom Runkle**, a University employee for over 28 years.

"I'm pleased, quite frankly, with the selection of Tom Runkle for this first award that begins a tradition within our organization," Mr. Blythe said.

Mr. Runkle was presented with a certificate and a wall plaque for his achievement. A permanent plaque is on display in the lobby of 31 Shields Building at University Park.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 453-0304).** Applications for these staff vacancies will be accepted until 5 p.m. **Thursday, July 2. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00021, Coordinator, Instructional and Technological Support Services, College of Education, Instructional and Technological Support Services, University Park Campus** — Provide leadership, supervision and support for all instructional and technological support services including: testing and related data processing; management of IBM/Macintosh and Media laboratories. Oversee provisions for high level of technical support for academic and administrative computing and telecommunications in the College. Requires master's degree, or equivalent, in instructional systems design, computer science, or related field; strong supervisory skills plus one to two years of effective experience with software and systems development. Strong knowledge of telecommunications, VAX, IBM and Apple computer systems desired. STAFF GRADE 7

■ **00022, Technology Licensing Officer, Senior Vice President for Research and Dean of the Graduate School, Intellectual Property Office, University Park Campus** — Responsible to the manager, Intellectual Property Office, for the handling and licensing of inventions of various campuses of the University; develop and administer working relationships with industry directed toward the transfer of the University's intellectual property rights to the private sector. Requires master's degree, or equivalent, plus two to four years of effective experience. This is a fixed-term position funded through June 30, 1993. STAFF GRADE 8

■ **00025, Athletic Trainer II, Intercollegiate Athletics, University Park Campus** — Responsible to coordinator, Sports Medicine, for developing prescribed treatment programs and individual rehabilitation programs for student-athletes in moderate to high risk sports. Provide medical coverage during practices, contests, etc., and organize medical procedures for sports competitions. Consult with the team physicians as necessary and the director of athletic training education for student trainer practicums and course scheduling. Requires bachelor's degree in health education, physical education, or equivalent, master's degree preferred, and one to two years of effective experience in athletic training. Current certification with the National Athletic Trainers Association required, certification with the State of Pennsylvania and/or certification eligible preferred. STAFF GRADE 6

■ **00027, Admissions and Minority Recruitment Counselor, Undergraduate Education, Undergraduate Admissions, Harrisburg Recruitment Center** — Responsible to the associate director of undergraduate admissions/director of Harrisburg Area Community Recruitment Center; provides general assistance with all admissions matters in Harrisburg and surrounding communities. Requires bachelor's degree, or equivalent, plus one-to-two years of effective experience in educational administration or related field. Excellent communication skills (written and oral), familiarity with greater Harrisburg and travel are required. Candidates with demonstrated experience in working with a multi-cultural community of students and parents are encouraged to apply. This is a re-announcement of position posted in October 1991. Previous applicants need not re-apply. STAFF GRADE 6.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-6531 by **July 2.**

■ **10336, Division Coordinator/Neurosurgery, Department of Surgery** — Responsible for the performance of and assistance with a variety of administrative duties to include supervision of clerical employees, preparation of various documents and efficient operation of the division. Requires a bachelor's degree or the equivalent, plus one to two years of effective experience in the performance of administrative duties. Experience with personal computer applications desirable. STAFF EXEMPT, GRADE 5

In addition, there are a number of positions that, because of the frequency with which they become vacant, are still available after employees in the work unit have been considered. Some such positions are available on a fairly regular basis. They are not announced each time they are open. Instead, they are announced periodically so a pool of interested candidates can be developed. Applications for such positions may be made any time, and you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions at Hershey are:

Cardiology Technician
Cardiovascular Technician, (also Senior Level)
Computer Tomography Radiologic Technologist, (also Senior Level)
Critical Care Monitoring Technician
Cytotechnologist/Histotechnologist, (also Senior Level)
Licensed Practical Nurse
Magnetic Resonance Imaging Technologist, (also Senior Level)
Medical Assistant
Medical Technologist, also CLA, MLT, CLT-HEW, (also Senior Level)
Neurophysiology Technician
Nuclear Medicine Technologist, (also Senior Level)
Occupational Therapist
Opthalmic Technologist
Perfusionist
Pharmacist
Physical Therapist/Assistant
Physician Assistant
Psychiatric Assistant, (also Senior Level)
Radiologic Technologist, (also Senior Level)
Radiotherapy Technologist, (also Senior Level)
Research Support Assistant/Associate, also J.R.T., R.T., S.R.T.
Respiratory Therapist/Technician/Clinical Specialists
Speech Language Pathologist
Staff Nurse
Surgical Technician
Transplant Coordinator
Ultrasound Technologist, (also Senior Level)
Utilization Review Coordinator/Auditor
Utilization Review Specialist
Vascular Radiologic Technologist, (also Senior Level)

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Lisa M. Rosellini, Assistant Editor
Kathy Garman, Calendar

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July 9, 1992 Volume 21, Number 35

Message from the President

Universities across nation facing tough fiscal times

Editor's note: Last week Governor Casey approved a state appropriation for Penn State of approximately $249.2 million for 1992-93. The appropriation incorporates a $9.5 million, or 3.7 percent, permanent cut in funds for the new fiscal year. Following the state's decision, President Thomas released the following statement:

We are pleased that the General Assembly and the Governor have reached agreement on Penn State's 1992-93 appropriation in a timely manner. It will be difficult, however, to implement the appropriation reduction recommended for this University. This is the first permanent reduction we have had since the 1933-35 biennium.

As we continue to work on the development of an obviously very tight budget to be recommended to the Board of Trustees for the new fiscal year, there are several points I would like to make to the University community and to Penn State family and friends generally.

First, I want to underscore the strength, integrity, and promise that constitutes Penn State. These qualities have led to our standing among the very best public universities in the nation and, indeed, the world. We have achieved this special status through the hard work and sacrifice of our faculty, staff, and supporters; we are dedicated to preserving and enhancing the University's momentum, despite the very difficult and very real fiscal constraints before us.

"We hope this year's historic cut in state appropriation is a one-time phenomenon."

-- President Thomas

See 'Budget' on Page 3

President names Administrative Fellows

The Office of the President has announced the appointment of two Administrative Fellows for 1992-93.

Leslie Ellen Brown, director of academic affairs at the Penn State Beaver Campus, will serve under the mentorship of John A. Brighton, executive vice president and provost of the University.

M. Rachel Miller, manager, Salary Administration and Classification Division, Office of Human Resources, will serve under the mentorship of Steve A. Garban, senior vice president for finance and operations.

Dr. Brown joined the Beaver Campus in 1989 after serving as assistant dean of graduate studies at West Chester University. She previously taught at the University of North Carolina at Chapel Hill, Colorado State University, Converse College, Spartanburg, S.C., Cottey College, Nevada, Mo., and Louisiana State University.

A graduate of Northwestern University with a B.M. degree in music history, she received a Ph.D. in musicology from the University of North Carolina at Chapel Hill. She has served as editor and music editor of a number of publications; written numerous articles for professional journals, and performed solo and ensemble recitals and concerts on flute, 18th century transverse flute, and Renaissance woodwinds.

Active in the American Musicological Society, Dr. Brown also is a member of the American Society for Eighteenth-Century Studies, College Music Society, East Central Society for Eighteenth-Century Studies, and Eighteenth-Century Scottish Studies Society.

Ms. Miller joined the University staff in 1980 as a classification analyst and was named senior classification analyst in 1983. She served as assistant manager of the Salary Administration and Classification Division from 1984 to 1985 when she was named manager of the division.

A graduate of Millersville University with a B.A. degree, she received a master of arts degree from the St. Francis College Graduate School of Industrial Relations.

Ms. Miller is a member of the American Compensation Association and the College and University Personnel Association.

The Administrative Fellows Program is designed to provide an opportunity to enhance the administrative

See 'Fellows' on Page 3

Behrend library building

Construction of an $11 million library/academic building at Penn State Erie, The Behrend College will be completed in the spring of 1993. The 100,000 square-foot building will house an expanded library, two computer labs, a foreign language lab, a television studio, and classrooms and offices for the Division of Humanities and Social Sciences.

Molecular biology

Symposium to focus on cells

"Cell Growth and Regulation" will be the topic of the 11th Summer Symposium in Molecular Biology to be held July 23-25 in Schwab Auditorium at University Park.

Philip A. Sharp, professor of biology and director of the Center for Cancer Research, Massachusetts Institute of Technology will present, "Regulation of Genes in Mammalian Cells," as the keynote address at 2 p.m. on July 24. The presentation is open to the public.

Symposium attendees will explore how environmental signals alter cells and how these changes influence cell growth and differentiation. Sessions will cover the entire range of biological organisms, including bacteria, fungi, invertebrates and mammals.

Four symposium sessions will cover "Signal Transduction," "Gene Regulation," "Cell Cycle" and "Cellular Differentiation." Nearly 70 poster presentations and 30 industry exhibits will be open to the public from 9 a.m. to noon July 24 in the HUB Ballroom and Fishbowl.

Kamal Rashid, affiliate associate professor of molecular and cell biology, is the symposium director. Co-chairs of the symposium are **Robert Schlegel**, professor of microbiology and head of the Department of Molecular and Cell Biology; **Ross Hardison**, professor of biochemistry, and **James Hopper**, professor of biological chemistry.

For advanced registration information, contact Patricia Phillips, 519 Wartik Lab, University Park, PA 16802, (814) 863-3650. On site

See 'Symposium' on Page 3

Focus on Diversity

Summer programs meeting the needs of underrepresented groups

Several programs addressing the needs of a diverse student population are being offered this summer at the Penn State Allentown Campus.

According to Ken McGeary, director of continuing education and overall summer program coordinator, the campus is expanding its partnerships with local school districts, community-based agencies, and corporations to meet the educational needs of underrepresented students in the Lehigh Valley.

"Our efforts are aimed at working with the home schools and parents on a year-round basis to encourage students to stay in school and to help them realize their potential to succeed," he said.

The overall campus program, known as the Educational Enrichment Experience for Youth with Special Academic and Career Needs, has its roots in a computer/tennis camp offered in the summer of 1990.

"Early intervention," according to **John V. Cooney**, campus executive officer, "is a key to retention," noting that the campus begins working with students in the 4th grade.

One program, the Youth Enrichment Partnership 2000 funded in part by AUPO Petfoods and Meridian Bank, is in its second year. Sixteen fourth graders and 20 returning fifth graders will participate in a two-week summer camp experience.

The fourth graders will spend their two weeks learning about writing and computers in the mornings and nature and ecology in the afternoons at the Wildlands Conservancy. They also will have an exercise program.

The fifth graders will spend their first week at the Allentown Campus with writing and computers and will visit the Wildlands Conservancy in the afternoons. Their second week will be spent at the Lehigh County Vocational-Technical School with activities in desktop publishing, culinary arts, electronics, and health.

> **"Early intervention is a key to retention."**
>
> -- John V. Cooney
> campus executive officer

The campus' visiting scholar, **Rogelio Escudero**, associate professor at the University of Puerto Rico, will participate in the summer camp activities.

According to Mr. McGeary, the enrichment program follows the summer campers into the academic year with an in-school tutoring program that uses Penn State students as tutors and includes eight Saturdays of educational workshops at the Allentown Campus.

A second program, the Academic Enrichment Experience for High School Youth, is divided into activities for eighth, ninth and eleventh graders.

The eighth graders have a one-week summer program which focuses on learning strategies for success in school plus eight Saturdays of in-school academic enrichment workshops. The ninth graders participate in a two-week summer math and English enrichment program, plus a PSAT review during the academic year. The eleventh graders enroll in a nine-week work/study summer program that includes a math and English enrichment program and PSAT or SAT reviews during the academic year. All participants in the Academic Enrichment Experience can take advantage of an in-school tutoring program.

The final segment of the summer programming is a Youth Service Corps involving 12 eleventh graders from the Allentown and Bethlehem School Districts. The program, funded by a grant from the Private Industry Council, is a combination of work and study assignments for nine weeks.

Series offered at Harrisburg

The Penn State Downtown Center in Harrisburg is offering a series of lectures on "Multi-Cultural Perspectives" during July and August.

The first presentation on July 22 will feature a panel discussion on "Race Relations in the Inner City: Choices for the Future."

Panel members are **Robert Bresler**, head, Division of Public Affairs, Penn State Harrisburg; **Susan Davis**, Asian-American Business and Professional Association; **Lillian Escobar-Haskins**, executive director, Governor's Advisory Commission on Latino Affairs; **James Stewart**, Penn State vice provost. **Felicia Brown-Haywood**, coordinator, Student Support Services and Minority Student Affairs, Penn State Harrisburg, will serve as moderator.

Also scheduled are:

July 29, **Susan N. Duke**, chairperson, Asian-American Business and Professional Association, "Issues Affecting Japanese-American Women in the Workplace: A Contrast Between Japanese and American Cultures;" Aug. 5, **Donald B. Kraybill**, professor of sociology at Elizabethtown College, "The Riddle of Amish Culture;" Aug. 12, **Kurt Carr**, chief, Division of Archeology and Protection, Pennsylvania Historical and Museum Commission, "The Effects of European Contact on Native Americans in Pennsylvania."

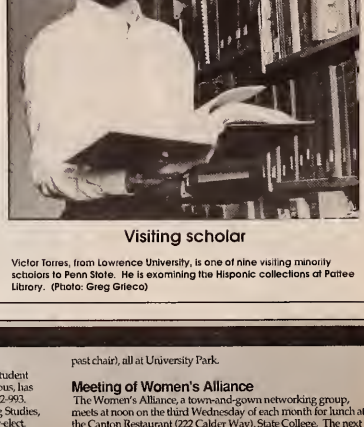
All sessions are open to the public and will begin at noon at the Downtown Center, 234 N. Third St., Harrisburg. To ensure adequate seating, registration is necessary by calling (717) 783-0433.

Diversity Opportunities ❦ Calendar ❦

Sunday, July 12
PENNARAMA, 2 a.m./p.m., and 8 a.m./p.m., channel 25. Program titled, "African American Journal," features influential African-American/Black Americans and African-American/Black American institutions; (also July 19); 5:30 a.m./p.m. and 11:30 a.m./p.m., "All American Jazz," features performances from innovative musicians.

Monday, July 13
PENNARAMA, 3 a.m./p.m. and 9 a.m.,, program titled, "The Great American Music Company: Heritage," focuses on challenges facing many Latino/Hispanics living in the United States; 5:30 a.m./p.m., 11:30 a.m. and 9:30 p.m., "To the Contrary," highlights noted women journalists as they discuss national and international events facing women; 11:30 p.m., "Tony Brown's Journal;" also July 15, 17, 20, 22 and 24.

Tuesday, July 14
PENNARAMA, 5 a.m./p.m. and 11 a.m./p.m., program titled, "U.N. World Chronicle," features interviews of prominent political personalities from around the globe; also July 16, 21 and 23.



Visiting scholar

Victor Torres, from Lawrence University, is one of nine visiting minority scholars to Penn State. He is examining the Hispanic collections at Pattee Library. (Photo: Greg Grieco)

Diversity Briefs

Commission for Women holds elections

Danielle P. Richards, counseling/advising assistant in Student Programs and Services at the Penn State Schuylkill Campus, has been elected chair of the Commission for Women for 1992-993. **Deborah R. Klevans**, research project associate, Planning Studies, Division of Continuing Education, has been elected chair-elect.

Executive committee members are **Karen A. Cox**, Penn State Wilkes-Barre Campus; **Cindy Faries**, **Brenda G. Hameister**, **Catherine G. Lyons**, and **Shirley Smith Hendrick**, (immediate past chair), all at University Park.

Meeting of Women's Alliance

The Women's Alliance, a town-and-gown networking group, meets at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place on July 15. Professional women in State College and at the University are welcome to attend for informal discussion and networking. No reservation is required.

Budget

Continued from Page 1

These constraints are upon us when tuition at public universities in Pennsylvania is the very highest in the nation. The proposed appropriation cut, combined with our commitment to keep tuition increases as low as possible in response to the serious concerns of students and their parents, makes developing a budget for next year very difficult. This will require sacrifices to be made this year unlike any in the recent history of a university used to making sacrifices for the good of the whole.

The largest single factor in the budget is salaries for University employees. As we work with the budget, it is obvious that Penn State will have to stretch to provide

"This year, zero salary increases are a possibility at four of the Big Ten publics and at least a half-dozen other publics within AAU."

any salary increases at all this year. We are not alone in this situation. Last year, for example, three of the Big Ten public universities—Iowa, Minnesota, and Purdue—had no salary increases. Other public institutions with zero salary increases last year include California, Iowa State, Maryland, North Carolina, and Virginia. This year, zero salary increases are a possibility at four of the Big Ten publics and at least a half-dozen other publics within the Association of American Universities.

In recognition of this difficult situation, I am recommending no salary increase this year for University executives—members of the President's staff and academic deans. Current plans include my recommendation of extremely modest salary increases (with limited opportunity for merit recognition) for the large remainder of the University community. Salary increases incorporated in bargaining unit contracts will, of course, be honored. We will continue to work diligently to avoid layoffs at Penn State.

We hope this year's historic cut in state appropriation is a one-time phenomenon. We are committed to keeping the momentum moving forward at Penn State, even in these difficult budget times, again, without having to turn to layoffs of present University employees as the solution to our fiscal constraints.

Penn State has traditionally operated in a fiscally conservative manner with a balanced budget and remarkable stability. This has served us well in the past and stands to serve us well in the future. We must take strength in our knowledge that higher education is the path to the solution of the challenges before us if we choose to meet those challenges instead of falling victim to them. It is my strong view that we have the ability to make the right choices and also the courage and conviction to pull together on behalf of Penn State and its future. I ask that the broad Penn State community join with me toward that end.

—President Thomas

Callers get speedy response with new system

On any given day the Undergraduate Admissions Office in Shields Building at University Park receives thousands of telephone calls. Until recently a staff of six operators spent their days answering these calls, handling some and forwarding others.

During the busiest periods more than ninety percent of the daily calls went unanswered. Predictably, this resulted in frustrated callers who often vented their feeling on the staff and an unknown number who decided to take their business elsewhere.

An analysis of the calls, conducted at selected intervals during the annual admissions cycle, revealed that a significant number were from prospective students or their parents for one or more of the following purposes: to check on the status of their application for admission; to schedule a visit to University Park; to request publications; to talk to other offices such as Housing or Student Aid, but only had the telephone number for Admissions.

The University had invested in voice response technology in 1988 which was only used part of the year in support of registration activities. It was determined that with a modest upgrade, this hardware also could be used to run an Admissions system. The concept behind the design would be for the system to process the routine tasks, freeing the staff for the more complex issues.

The specific functions performed by the system include:

Visitation — An individual or group can schedule a visit to the University Park Campus and choose a combination of orientation session, bus tour or guided walking tour. Subsequent calls can change the date; increase or decrease the number in the group; cancel some of the activities, etc. The system tracks home

"No caller to Admissions has received a busy signal since the system has been operational."

Joyce Buck
associate director

football weekends where lodging will be difficult, produces confirmation letters and prints reports for the visitation supervisor.

Publications — Callers can request any of the various Admissions application forms, financial aid brochure and information about the student catalog. Through interaction with the Integrated Student Information System (ISIS) database, the system prints mailing labels with shipping instructions and also monitors earlier mailings to reduce duplication

Status — Prospective students can check the status of their application for admission to the University. The system uses a combination of social security number and birth date to verify the identity of the caller. A variety of actions are possible, ranging from a "congratulations" message if accepted, to a transfer to an Admissions counselor if the individual did not qualify.

Transfer — Callers who fall within specific groups, such as international students or minorities, are transferred to specific divisions within the Admissions Office. Those asking for other offices are routed to the University operator.

The current system was implemented through the combined efforts of Sue Decker, systems project leader, and Sara Conkling, senior applications programmer analyst, Office of Administrative Systems, and Joyce Buck, associate director of Admissions.

According to Ms. Decker, the voice response system is connected to the main telephone number in Admissions. It uses a recorded human voice script to guide the caller through a menu of questions that can be answered by touching one or more buttons on his/her touch tone telephone.

"The system was installed on April 21," she said, "and has answered all of the calls since then with 12 active lines. A total of 30 lines are available to the system and will be activated as needed.

"The system, which also is active during the evening and on weekends, has completely processed between 40 and 55 percent of the daily calls, transferring the rest as appropriate."

Ms. Buck said the Admissions Office has doubled the number of answered calls with the Voice Response System. "No caller to Admissions has received a busy signal since the system has been operational," she said.

"While the technology is widespread," she added, "Penn State is one of the few universities in the country that uses the Voice Response System for its Undergraduate Admissions Office."

—John W. Dixon

Fellows

Continued from Page 1

talents and qualifications of women and minorities by involving them in mentorship experiences with top-level administrators at the University.

The program provides opportunities for Fellows to participate in a wide range of decision-making processes, learning activities, and program management, so they are better equipped to handle the challenges of higher education administration. The Fellows Program also helps create a pool of qualified women and minorities for potential administrative vacancies, both inside and outside the Penn State community.

Leslie Ellen Brown

M. Rachel Miller

Symposium

Continued from Page 1

registration is available in Schwab Auditorium from 9 a.m. to 1 p.m. July 23.

The symposium is organized by the faculty of the Summer Symposium in Molecular Biology and administered by the Biotechnology Institute. The Eberly College of Science, the College of Agricultural Sciences, the Graduate School and the departments of Molecular and Cell Biology, Biology, Chemical Engineering, Chemistry, Food Science, Cell and Molecular Physiology, Biological Chemistry, and Microbiology and Immunology provide financial support.

Industry sponsors include Schering-Plough Research, AMGEN, Costar Corporation, R.W. Johnson Pharmaceuticals, Applied Biosystems, Coming Enterprises, Institute for Biological Research and Development, Life Technologies, Monsanto, Pfizer Central Research, Sterling Drug, Univax Biologicals, VWR Scientific, CIBA-Geigy, Hoffmann-LaRoche, Johnson and Johnson, GIBCO BRL, The Scientist, Merck Research Labs, SmithKline Beecham, Wyeth-Ayerst Research, Genetic Engineering News.

Matson Museum of Anthropology

Summer hours for the Matson Museum of Anthropology are Tuesday through Friday, 11 a.m. to 4 p.m.

An exhibit of artifacts depicting everyday life among various African groups makes up the new African Heritage exhibit at the Matson Museum of Anthropology, located on the second floor of the Carpenter Building at University Park. On display are examples of household and ritual objects, musical instruments and other recreational objects.

Approximately 75 percent of the exhibit comes from the Museum's permanent collection with the other 25 percent on temporary loan from faculty and friends of the Museum.

"We have many researchers who work in Africa," **Elliot Fratkin**, assistant professor of anthropology and organizer of the exhibit, said. "We wanted to promote an interest in African studies at the University and invite people to see not just beautiful artifacts, but objects used by people every day."

The exhibit was put together by **Melissa Diamanti** and is sponsored by the Office of Associate Dean for Research and Graduate Studies, College of the Liberal Arts, Office of Summer Sessions, the Matson Museum of Anthropology and the Department of Anthropology. Thanks also go to **Mano Eftimiadi, Martha Nathan, K. Eftimiadi, Henry Harpending, H.B. Harpending, Melissa Diamanti, Tom Hale, Robert Bradley** and **Kristin Trach** for their temporary donations and work.

In the foreground, a bamboo hair comb (Somalia) peeks from a multicolored Harrar straw basket (Ethiopia). An oval Herero basket (Botswana) joins it atop a board game. The photo in the background shows two men playing a variation of the board game.

Woven Beshaffu basket sealed with a lining of mud to carry milk (Ethiopia). Images in the background are a photo showing women carrying baskets on their heads.

The large calabash on the floor is used by the Herero (Botswana) for holding milk. The wooden neck rests shown above (Kenya, Ugando, Somalia) are used to protect elaborate hairdos when sleeping.

Photos: Greg Grieco

News in Brief

Turfgrass field days

The Penn State Turfgrass Field Days will be held Wednesday and Thursday, Aug. 12 and 13, at the Joseph Valentine Turfgrass Research Center at University Park.

Activities will begin at 1 p.m. Aug. 12. A barbecue will be held in the evening. On Aug. 13, a tour of on-going research projects will begin at 9 a.m. at the Landscape Management Research Center and end about 3:30 p.m.

For additional information, contact **Thomas Watschke**, 116 ASI Building, University Park, telephone 863-7644, or the Pennsylvania Turfgrass Council, Lemont, PA, phone 863-3475.

Emergency number

The Department of University Safety would like to remind everyone that the number for emergencies at University Park is 9-1-1. **Do not** dial 8 before dialing 9-1-1. Dialing an 8 causes the calls to go off campus to the wrong communications center, which must then transfer them for proper action.

Valuable time is lost providing emergency assistance by mis-dialing. Offices with speed dial phones are asked to check their programming to be sure the number entered is just 9-1-1. Locations other than University Park should check with their security departments for the proper phone number.

Book donations program

The Penn State Bookstore on Campus is participating in the Bridge of Knowledge Book Donations Program, an international effort to collect and donate books and other educational materials to countries overseas.

Since the program began at Penn State in April 1991, the bookstore has shipped almost 20 tons of books to the International Book Bank in Baltimore, to be distributed to educational institutions in Africa, Eastern Europe, Asia, and the Caribbean. The program offers an opportunity to donate books which are no longer in active use. Arrangements can be made to pick up quantities of books donated from offices on campus by calling 863-3250.

There is a need for classroom-related fiction, foreign language books used in schools, books teaching English as a second language, reference books, and children's books. There exists a special need for books for primary and secondary levels of education. For additional information, contact Elizabeth Wilson at 863-3250.

Visiting faculty member

Ulrich Brunner, lecturer at the Teachers Training College in Zurich, Switzerland, has joined the Center for Bioremediation and Detoxification of the Environmental Resources Research Institute as visiting faculty.

Dr. Brunner will be working in the Laboratory of Soil Biochemistry on a bioremediation project until October, when he will return to Switzerland.

Subjects sought

Thomas Borkovec, professor of psychology, is seeking subjects who are nonanxious and nondepressed to participate in an interview, complete some questionnaires, and participate in a laboratory session involving brainwave, heart rate, and respiration recording.

Payment is provided for the three to four hours involved. If you're interested in participating, send a letter, including your name, address, phone number, age, sex, race, and education level, to Dr. Borkovec, Department of Psychology, University Park. If you prefer, you may call 865-1725 and leave the information with the staff of the Stress and Anxiety Disorders Institute.

July symposium on the elderly planned

The Department of Nutrition and the Summer Sessions Office are co-sponsoring a symposium on "Sensory Perceptions and Dietary Intake in the Elderly" Friday, July 24, and a series of "Sensory and Dietary Assessment Tests" July 24 and 27.

The symposium will be held from 8:45 a.m. to 12:30 p.m. in Room 110 Wartik Laboratory at University Park.

Susan Schiffman of Duke University will give the keynote address on "The Chemical Senses (Taste and Smell) and Aging," at 9 a.m. She will be followed by University scientists who will discuss issues ranging from the effect of aging on other sensory perceptions to dietary practices and food preferences in the elderly.

Jean-Xavier Guinard, assistant professor of nutrition, said the symposium is designed to provide participants with scientific perspectives of the relation between sensory perceptions (focusing primarily on taste and smell) and diet in the elderly.

While the symposium is intended for researchers, teachers, physicians, dieticians, nurses, and students, members of the community are invited to attend.

Dr. Guinard said the sensory and dietary assessments tests are for the elderly in the Centre County community. They will provide participants with a brief but accurate assessment of their chemical senses and food intake.

Admission to the symposium and to the sensory and dietary assessments tests is free. Individuals who wish to participate in the tests are required to schedule a one-hour appointment by calling 865-7053.

For further information, contact Dr. Guinard at 863-7864 or **Nancy Hopkins** at 863-0772.

At-risk grant awarded to Mont Alto Campus

The Center for Rural Pennsylvania has awarded a $50,000 grant to the Penn State Mont Alto Campus to fund a study of at-risk youth in rural areas.

Corrinne Caldwell, campus executive officer, said the project is designed to identify rural, at-risk students — not only those most likely to drop out of school, but also those who fail to pursue additional education after high school. It also will survey existing programs in Pennsylvania and other states; evaluate the success of the programs; determine whether the programs can be modified to fit Pennsylvania's needs, and make recommendations for state and local policies which will reduce the rural at-risk problem.

"We at the Mont Alto Campus have completed extensive work in the study of rural students," Dr. Caldwell said. "The campus' entire service area of Franklin, Adams and Fulton counties is rural."

Dr. Caldwell said the Mont Alto Campus has shown its commitment to at-risk students through a number of programs, including the Adventures in Learning Program for Minority Students and, new this summer, the Job Training Partnership Act's Next Step Program. Both programs provide educational opportunities for students who may not consider college as an option for their future.

"The mission of our campus," she said, "is to make education easily accessible to everyone. We do this through early intervention programs which, we know, have a positive impact on the community. This study is very consistent with our interests as a University."

Anthropology series continues

Next episodes explore politics and religion

Realms, the sixth episode of "Out of the Past," will be shown at 7 p.m. July 15 in Schwab Auditorium at University Park. A presentation by **Kenneth Hirth**, professor of anthropology, University of Kentucky, will follow.

Kenneth Hirth

International relations, spheres of influence, and political power are not only concerns of modern day politics, but were everyday worries of ancient civilization. *Realms* explores how different peoples and cultures developed and used strategies for controlling and influencing groups far and near.

"Out of the Past" was produced by **William T. Sanders** and **David Webster**, professors of anthropology at the University, in conjunction with WQED-TV Pittsburgh, and Cambridge Studios, Boston. The series was funded by the Annenberg/CPB Project, the Media Program of the National Endowment for the Humanities, the National Science Foundation and Penn State. Public Broadcasting System airing is scheduled for Spring 1993.

Dr. Hirth's areas of interest are in the archaeology and ethnology of Mesoamerica and Andean South America. He is interested in the evolution of complex societies and prehistoric economic systems.

He currently is the director of the Xochicalco Craft Production Project in collaboration with the Morelos Regional Center, Instituto Nacional de Antropologia e Historia, Mexico, a project that began in 1992. He also has been director of the El Cajon Archaeological Project: Central Honduras, in collaboration with the Instituto Hondureano de Antropologia e Historia, Tegucigalpa, since 1980.

Previous work has been on the Coatlan del Rio Archaeological Project in Mexico; Proyecto Jicamarca-Cajamarquilla: Mapping and Survey Reconnaissance in the Rimac Valley, Peru, and Manzanilla, Puebla, Mexico.

Dr. Hirth received a B.B.A. in marketing in 1971, and an M.A. and Ph.D. in anthropology in 1972 and 1974 from the University of Wisconsin, Milwaukee.

The Spirit World episode of "Out of the Past" will premiere in 121 Sparks Building at 7 p.m. July 22. A discussion by **Elizabeth Boone**, director of Pre-Columbian Studies and curator of Pre-Columbian Collection, Dumbarton Oaks, Washington, D.C., will follow.

Elizabeth Boone

The complex relationship between religion and society is detailed in *The Spirit World*. The spiritual side of humanity takes many and varied forms through history and prehistory and can lead to a better understanding of social values and traditions of societies past and present.

Dr. Boone received a B.A. in fine arts from the College of William and Mary in 1970 and an M.A. and Ph.D. in Pre-Columbian art history from the University of Texas, Austin in 1974 and 1977, respectively. She joined Dumbarton Oaks in 1983 and was coordinating curator, "Art of Aztec Mexico: Treasures of Tenochtitlan," a joint undertaking of Dumbarton Oaks and the National Gallery of Art that was at the National Gallery from September 1983 to April 1984.

She has written on such topics as "Migration Histories as Ritual Performance," "Pictorial Codices of Ancient Mexico," "Incarnations of the Aztec Supernatural: The Image of Huitzilopochtli in Mexico and Europe," and "The Form of Huitzilopochtli: Changing Ideas and Visual Manifestations of the Aztec God." She is the editor of *Ritual Human Sacrifice in Mesoamerica, Falsifications and Misreconstructions of Pre-Columbian Art* and *The Art and Iconography of Late Post-Classic Central Mexico*.

Faculty/Staff Alerts

Office move

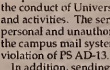
The Financial Reporting Division of the Corporate Controller's Office is now located in 411 Rider Building. Its new telephone number is 863-4501.

The bank reconciliation function previously done by Internal Auditing is now handled by Financial Reporting. Telephone calls regarding bank reconciliations should be made to Financial Reporting at 863-4501 rather than to Internal Auditing.

Campus mail and chain letters

Employees are reminded that campus mail is to be used only in the conduct of University programs and activities. The sending of personal and unauthorized mail via the campus mail system is a violation of PS AD-13.

In addition, sending chain letters can result in criminal prosecution. A chain letter presently in the system that threatens retribution to the recipient for not forwarding it is an example that may result in both disciplinary and criminal sanctions.



Hewlett-Packard sales

The Microcomputer Order Center has announced that Hewlett-Packard will be added to its list of vendors.

Departmental sales for Hewlett-Packard systems will be transferred from Purchasing to the Microcomputer Order Center as of July 1. All departmental orders should be forwarded on Interdepartmental Transfer forms (IDTs) to 22 Willard Building, University Park.

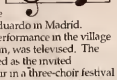
Personal sales also are offered to full-time faculty, staff and students at educational discounts.

Focus on the arts

Pennsylvania Chorale

The 40-voice Pennsylvania Chorale, conducted by **D. Douglas Miller**, professor of music in the School of Music, recently returned from a two-week performance tour of Portugal and Spain.

The ensemble performed in St. Peter's Church in Faro, Portugal; the Conventual Church of San Buena Ventura in Seville, Spain; the national registry Monasteria San Geronimo in Granada, and the Church of San Eduardo in Madrid.



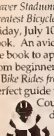
The group's performance in the village of Benameji, Spain, was televised. The chorale performed as the invited international choir in a three-choir festival in Madrid. The final highlight of the tour was a feature performance at the U.S. Pavilion at Expo '92 in Seville.

The Pennsylvania Chorale is an ensemble of singers formed every other year by Dr. Miller to make an international performance tour. The group includes both students and non-students, with a core group of singers from the community who have participated in several of the chorale's five tours. Many of the singers are associated with the State College Chorale Society or the Penn State Concert Choir.

Featured author

The Penn State Bookstore on Campus will host **Scott Adams**, author of *Bike Rides from Beaver Stadium: An Atlas of Centre County's Greatest Bicycle Rides*, from noon to 2 p.m. Friday, July 10, to sign and discuss his book. An avid cyclist, Mr. Adams created the book to appeal to cyclists of every level from beginner to experienced riders.

Bike Rides from Beaver Stadium is the perfect guide to bicycling in Centre County. Its 24 detailed maps, descriptions and directions lead cyclists of all ages and abilities along safe and comfortable roads, highlighting the region's scenic beauty, historic landmarks, villages, people and food. Every route conveniently begins at Beaver Stadium traveling in circuits of five miles to over 100 miles long, few of which ever cross the same road twice in one ride.

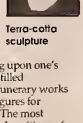


Those who share an interest in cycling or who are thinking of becoming involved in the sport, are invited to meet Scott Adams and discuss his book and cycling experiences at the bookstore. For more information, contact Elizabeth Wilson at 863-3250.

Art-to-Go

For July the Art-to-Go lobby display in the Calder Way and Allen Street office of Peoples National Bank in State College will feature a Hellenistic terra-cotta sculpture dated to the fourth century B.C.

The protoma, or female head, probably was not intended to represent a specific woman. It was most likely used to adorn a grave site, and, while it may not present a portrait of the deceased woman, it was used to commemorate the ideal qualities of the beloved.



Terra-cotta sculpture

Terra-cotta was a common and available material used in creating sculptures during the Hellenistic age. Depending upon one's ability to pay, sculptors fulfilled commissions not only for funerary works but public sculptures and figures for personal worship as well. The most successful sculptors enjoyed positions of status within Hellenistic society. The protoma represents not only a style of art, but is a reminder of an age when artists were a vital part of everyday life.

'Discover the Arts'

Nicholas Palmer, music director of the Dubuque Symphony Orchestra, will conduct the Music at Penn's Woods "Discover the Arts" concert, at 7:30 p.m. Saturday, July 11, in Schwab Auditorium at University Park.

The program will include Hindemith's Symphony Mathis der Maler, Elgar's "Sea Pictures," Wagner's "Prelude to Die Meistersinger von Nurnberg" and Brahms' Variations on a Theme by Haydn, Op. 56A.

"Sea Pictures" is a set of five songs that expresses an artist's loneliness through the sounds of the sea. The "Prelude to Die Meistersinger" concerns the master singers in Germany and examines how a pre-industrial society deals with political and economical predicaments. "Variations on a Theme by Haydn" represents a tribute to music itself.

"Each of the pieces covers a different area of the arts—painting, poetry, singing and music," **Douglas E. Meyer**, music director of Penn's Woods, said.

"Sea Pictures" features mezzo-soprano **Janice Wilson**, executive director of the Altoona Symphony Orchestra. She is a regional finalist for the Metropolitan Opera auditions and national finalist of the Federated Music Clubs competition held in Miami.

A program of the School of Music in the College of Arts and Architecture, Penn's Woods unites gifted musicians from colleges and universities across the country for a month-long residency at University Park.

Tickets for the July 11 concert are $8 for adults; $5 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center at 863-0255. The Schwab Box Office is open 11:30 a.m. to 3:30 p.m., Monday through Friday.

Centre Stage musical

The Pennsylvania Centre Stage production of the musical "Ain't Misbehavin" opens Wednesday, July 15, at the Pavilion Theater at University Park.

The musical pays homage to singer and jazz pianist Thomas Wright (Fats) Waller who died in 1943. His exuberant style, including his talent as a master of stride piano and his gift for comedy, is captured in the musical.

The show contains 30 gutsy songs, most written by Waller. The musical numbers are captivating, humorous and carry the rebellious spirit of the American Prohibition. Richard Maltby Jr. conceived the musical, wrote lyrics for some of Waller's piano solos and directed the broadway show. In 1978 he earned a Tony Award for his efforts. Michael Malone will direct the Pennsylvania Centre Stage performance.

The show will play at 8 p.m. July 17-18, 21-25, 28-31, and Aug. 1. Preview performances are at 8 p.m. July 15 and 16. Saturday matinees are at 2 p.m. July 18, 25, and Aug. 1. For more information, call the Eisenhower Auditorium Ticket Center at 863-0255.

Bonnie Irish painting

Pattee exhibits

"Abstractions," an exhibition of works done in acrylic, charcoal, and watercolor by **Annette McHugh**, is on exhibit in Pattee Library's East Corridor Gallery until July 31.

Ms. McHugh began her formal study of art in 1980 and recently completed five years of study of traditional-style Chinese brush painting with artist Yia Shun of Taiwan. Her work has been shown in several galleries at University Park and in juried exhibits at Juniata College, the Susquehanna River Arts Center, the Central Pennsylvania Festival of the Arts, and arts festivals in Blair and Huntingdon counties.

Prints and paintings by **Bonnie Irish** are on display in Pattee's Lending Services Gallery until July 31.

Inspired by Georgia O'Keeffe, Ms. Irish uses several medium, including pastel, oil, watercolor, and printmaking. Her formal studies include courses at Central Oregon Community College and workshops given by well-known artists in the Northwest.

Large-scale fine art computer drawings created by students in the School of Visual Arts Advanced Drawing 320 course can be viewed in the West Lobby Gallery until July 31.

The drawings include portraits and collages of scanned images created on a Macintosh computer using Ultrapaint software and LaserWriter II printers as drawing tools.

New Sports Medicine monthly publication created

The Center For Sports Medicine has launched a new publication for serious athletes, as well as for those who treat and train them.

The eight-page Penn State Sports Medicine Newsletter will be published monthly, and will give readers direct access to some of the best, most reliable information on sports medicine available anywhere. Topics will include sports nutrition, performance enhancement, resistance training, injury prevention, treatment and rehabilitation.

Howard G. Knuttgen, director of the Center for Sports Medicine, is editor-in-chief of the newsletter. He is responsible for the development and coordination of the Center's various clinical services, research and educational activities. A past president of the American College of Sports Medicine, Dr. Knuttgen currently is a member of the Executive Committee of the International Federation for Sports Medicine and chairman of the Publications Advisory Committee of the Medical Commission, International Olympic Committee.

"Articles will be diverse, quick and easy to read, and will include such topics as New Equipment, the Pros and Cons, Women and Strength Training, New Rehabilitation Techniques, Nutrition to Improve Performance," Dr. Knuttgen said.

Every issue will carry an in-depth Special Report detailing a high performance technique, including Building Explosive Power in Your Legs, Performing the Squat Without Risk of Injury, Improving Your Power Stroking on a Bicycle, A Complete Workout for the Abdominal Muscles.

The University has a long-standing reputation for excellence in education and research in the sports sciences. The Center for Sports Medicine, the first of its kind in the nation, is devoted exclusively to the medical care of athletes and the enhancement of human performance in sports and exercise.

Premiering in August, subscriptions to the Penn State Sports Medicine Newsletter are available for $34.00 for one year (12 issues) and can be ordered by writing to the Penn State Sports Medicine Newsletter, Subscription Department, P.O. Box 6568, Syracuse, N.Y., 13217-9976. For more information, contact Stagg Direct Marketing at 914-725-3990.

University Park Calendar

July 9 - July 26

Special Events

Thursday, July 9
PA Centre Stage, 8 p.m., The Playhouse. George M! Also through July 11, 14-18, Matinee July 11 and 18, 2 p.m., The Playhouse. Tickets, 863-0255.
Central PA Festival of the Arts, Sidewalk Sales, through July 12.
Trustees meet at McKeesport, through July 10.
Friday, July 10
Young Alumni Reunion Classes of '72, '77, '82, '87, through July 12.
Saturday, July 11
Music at Penn's Woods, 7:30 p.m., Schwab Aud Discover the Arts.
Sunday, July 12
Music at Penn's Woods, chamber concert, 3 p.m., Recital Hall.
Monday, July 13
■ German films, 8 p.m., 108 Wartik. Feine Gesellschaft-Beschrankte Haftung (Distinguished Company — Limited Liability).
Tuesday, July 14
"Diversions," music at noon, Fisher Plaza. Mike Kurtz.
Shaver's Creek Summer Series, Discovery Day Camp IV (Ages 6-11), through July 18, and also July 21-25 Also Eco-Venture II (Ages 14-17), through July 18 Call 863-2000.
Wednesday, July 15
"Out of the Past," 7-9 p.m., Schwab Aud. Kenn Hirth, Univ. of Kentucky, on "Realms."
Music at Penn's Woods, chamber concert, 7:30 p.m., Recital Hall.
Film, dusk, HUB lawn. Without A Clue. (Rain location: 9 p.m., HUB Assembly Room).
PA Centre Stage, 8 p.m., Pavilion Theatre, through July 18, 21-25, 28-Aug. 1. Ain't Misbehavin'. Also July 18, 25, Aug. 1, 2 p.m., Pavilion Theatre.
Thursday, July 16
"Diversions," music at noon, Fisher Plaza Gordon Law Quintet.
Ice Skating "Diversions," 8-11 p.m., Penn State Ice Rink.
Friday, July 17
Ice Cream "Diversions," 7-8 p.m., Creamery/Pavilion Passport.
Saturday, July 18
Shaver's Creek, 8:30-10 p.m., Insects of the Evening. Call 863-2000.
Music at Penn's Woods, orchestra performance, 7:30 p.m., Schwab Aud. Discover Russia
Sunday, July 19
Shaver's Creek, 2-3:30 p.m., Garden Scents. Call 863-2000.
Monday, July 20
Bowling "Diversions," 7-9 p.m., 9-11 p.m., Penn State Lanes, Rec Hall.
■ German films, 8 p.m., 108 Wartik Engel aus Eisen (Iron Angel, 1980).
Tuesday, July 21
"Diversions," noon, Fisher Plaza. Touch of Steel.
Shaver's Creek Summer Series, Adventure Camp I (Ages 12-13), through July 25. Also Discovery Day Camp V (Ages 6-11), through July 25. Call 863-2000.
Wednesday, July 22
"Out of the Past," 7-9 p.m., 121 Sparks. Elizabeth Boone, Pre-Columbian Studies, Dumbarton Oaks, on "Great and Small Spirits."
Film, dusk, HUB lawn. Stealing Home. (Rain location: 9 p.m., HUB Assembly Room).
Thursday, July 23
Symposium in Molecular Biology, through July 25. Keynote address, 2 p.m., Schwab Aud. Philip A. Sharp, Massachusetts Institute of Technology, on "Regulation of Genes in Mammalian Cells." Sessions: "Signal Transduction," "Gene Regulation," "Cell Cycle" and "Cellular Differentiation." Register, Patricia Phillips, 863-3650; or July 23, 9 a.m.-1 p.m., Schwab Aud.
"Diversions," noon, Fisher Plaza. Passport.
Friday, July 24
Symposium, 8:45 a.m.-12:15 p.m., 110 Wartik Lab. "Sensory Perceptions and Dietary Intake in the Elderly." Sensory and dietary tests, 1-6 p.m., 120C Borland Lab. Also July 27, 9 a.m.-5 p.m., 120C Borland Lab.
■ Ice Cream "Diversions," 7-8 p.m., Creamery/Pavilion. World Famous Little German Band
Saturday, July 25
Shaver's Creek, 8-9:30 p.m., Bats: The Reality Behind the Myth. Call 863-2000.

Conferences

July 9-11. Minority Advanced Placement Program; 130 attendees; Redifer Commons; Dan Trevino, chair; Chuck Herd, coordinator.
July 9-12. Association of Departments of English; 75 attendees; Nittany Lion Inn; David Laurence, chair, Eric Loop, coordinator
July 12-16. Alumni College '92; 100 attendees; Nittany Lion Inn; Diane Ryan, chair; Roger Maclean, coordinator.
July 12-16. Pennsylvania School Food Service Institute; 200 attendees; Nittany Lion Inn/Leete Hall; Fred DeMicco, chair; Barbara Impelliteri, coordinator.
July 12-17. Earth and Mineral Sciences Westinghouse; 24 attendees; Pollock Commons; John Lee, chair; Donna Ricketts, coordinator.
July 12-17. See the Future; 30 attendees; East Halls; John Vincenti, chair; Roger Maclean, coordinator.
July 12-17. Renaissance in Engineering Education Workshop; 25 attendees; North Halls; Tony Amos, chair; Donna Ricketts, coordinator.
July 12-18. Waring Elderhostel II; 70 attendees; Runkle Hall; Pete Kiefer, chair; Jack Sinclair, coordinator.
July 12-Aug. 8. Business, Engineering and Science Technology Summer Program; 24 attendees; South Halls; Daniel Davis, chair; Donna Ricketts, coordinator.
July 13-17. Resources and Trends in Home Economics for Educators; 18 attendees, Nittany Budget Best Western; Cynthia Sovich, chair; Donna Ricketts, coordinator.
July 13-17. Electrical Systems and Maintenance; 40 attendees; Nittany Apts.; James Myers, chair; Roger Maclean, coordinator.
July 15-16. Women's Club Summer Conference; 250 attendees; Nittany Lion Inn, Hamilton Hall; Bill Sterner, coordinator
July 16-17. Advanced Play Therapy; 20 attendees, North Halls; Louise Guerney, chair; Kathy Karchner, coordinator.
July 16-19. String Teachers Workshop; 10 attendees; Nittany Suites; Richard Bloom, chair; Kathy Karchner, coordinator.
July 17-19. Pennsylvania Wing Civil Air Patrol; 40 attendees; Roger Maclean, coordinator.
July 19-23. International Committee for Coal and Organic Petrology; 50 attendees; North Halls; Alan Davis, chair; Jack Sinclair, coordinator.

Pennsylvania Centre Stage presents George M!, a tribute to the music of George M. Cohan, writer of such melodies as "Yankee Doodle Dandy" and "Give My Regards to Broadway." Currently at The Playhouse, the show continues through July 18.

July 19-24 Athletic Training for Coaches; 20 attendees; W.E. Buckley, chair; Jerri Milsom, coordinator
July 19-24 Second Mile Summer Challenge for Boys and Girls; 120 attendees; East Halls; K. Bemecker, chair; Jerri Milsom, coordinator
July 19-24 United Steelworkers of America; 40 attendees; Gilbert Gall, chair; Chuck Herd, coordinator.
July 19-25. Elderhostel IV; 45 attendees; Runkle Hall; Roger Maclean, coordinator.
July 19-Aug. 1 Ms Wiz II; 50 attendees; Pollock Commons. Sharon Luck, chair; Donna Ricketts, coordinator.
July 20-24 Enter 2000; 42 attendees; North Halls; John Vincenti, chair; Donna Ricketts, coordinator.
July 20-24. Developing a Preschool Practicum in the Home Economics Department; 15 attendees, North Halls; Cynthia Sovich, chair; Donna Ricketts, coordinator.
July 20-24. Air Conditioning Maintenance and Operation; 40 attendees, Nittany Apts., James Myers, chair, Roger Maclean, coordinator.
July 21-25. Hans Rademacher Commemorative Conference; 100 attendees; North Halls; David Bressoud, chair; Roger Maclean, coordinator.
July 22-24 Structure Borne Sound; 60 attendees; Nittany Lion Inn, Days Inn; Gary Koopmann, chair, Kathy Karchner, coordinator.
July 22-24 Cumulative Trauma Disorders; 25 attendees; Nittany Lion Inn; Andris Freivalds, chair; Jack Sinclair, coordinator.
July 23-25. The Society for Organic Petrology, 50 attendees; North Halls; Alan Davis, chair; Jack Sinclair, coordinator.
July 23-25 Eleventh Summer Symposium in Molecular Biology; 250 attendees; North Halls; K. Rashid, chair; Chuck Herd, coordinator.
July 23-26 Applied Sport Psychology for Coaches; 20 attendees; Jerri Milsom, coordinator.
■ **July 24-Aug. 20** Japanese Summer Study in America Program; 40 attendees; Pollock Commons; Masume Assaf, chair; Roger Maclean, coordinator.
July 26-31. High School Publications Workshop; 145 attendees; East Halls; John Rippey, chair; Bill Sterner, coordinator
July 26-31 Second Mile Summer Challenge for Boys; 70 attendees; East Halls, K Bemecker, chair; Jerri Milsom, coordinator.
July 26-Aug. 1 Elderhostel V; 45 attendees; Runkle Hall; Roger Maclean, coordinator.

Seminars

Thursday, July 16
Talk, 4 p.m., Fireside Lounge, Nittany Lion Inn. George Andrews on "Objectivity, Nonsense and Mathematics (with a glance at C.P. Snow's Two Cultures)." Reception 3:30 p.m.
Thursday, July 23
Talk, 4 p.m., Fireside Lounge, Nittany Lion Inn. Linda Maxson on "Leapfrogging Among the Amphibia." Reception 3:30 p.m.

Exhibits

Hetzel Union Art Galleries
Formal Gallery, Browsing Gallery:
Central PA Festival of the Arts: Mixed Media, through July 31.
Kern Graduate Commons
Embroiderers' Guild of America: Nittany Valley Chapter, through July 31.
Paterno Library
East Corridor Gallery:
Annette McHugh, "Abstractions," an exhibition of works done in acrylic, charcoal, and watercolor, through July 31.
Lending Services Gallery:
Bonnie Irish, prints and paintings, through July 31.
Zoller Gallery
Crafts National 26, a juried exhibition of contemporary crafts, through July 26.

■ **Reflects an international perspective**

Appointments

Laura E. Frye, has been appointed coordinator of human resources and administrative services in the College of Engineering.

Ms. Frye previously worked as the administrative assistant to the nuclear engineering department head. She began her career at Penn State as secretary to Football Coach Joe Paterno. She also served as a secretary in the College of Education and the College of Business Administration.

A former College of Engineering Administrative Fellow, Ms. Frye has received a Certified Educational Office Employee Award from the National Association of Educational Office Personnel and was the first recipient of the PAES/OP member scholarship.

She is president of the Pennsylvania Association of Educational Secretaries/Office Personnel and a Northeast director of the National Association of Educational Office Personnel. She is a member of the Penn State Chapter of Educational Office Personnel, the Penn State Commission for Women and the PA School Boards Association.

Laura E. Frye

Mary Gage, academic officer for Education Abroad Programs and University Fulbright Program advisor, has been named undergraduate fellowships coordinator, effective Fall Semester 1992.

In her new half-time appointment, she will be in charge of the Undergraduate Fellowships Office, 311 Willard Building, University Park. Her responsibilities include identifying, recruiting and helping students to apply for prestigious awards such as the Rhodes, Marshall and Truman scholarships.

C. **Gregory Knight**, vice provost and dean for undergraduate education, said Professor Gage's continuing commitment to scholarship activities for undergraduate and graduate students represent her well. "She has a remarkable record of success with the Fulbright program which is a strong indicator of the quality of her work."

Professor Gage received an honours degree in history at Cambridge University of England, before training as a journalist on The Times newspaper in London. She then settled in Australia, where she spent 15 years working as a professional playwright, screenwriter and novelist. In 1987, she came to Penn State to teach screenwriting. She was an associate professor of film and video before joining the Office of International Programs last year.

She feels extremely enthusiastic about her new position, which meshes in well with her present work as University Fulbright Program Advisor. "Only five graduating seniors applied for Fulbrights last year," she said, "and four were successful."

Professor Gage sees a large part of her work as raising faculty and student awareness that prestigious awards exist, and that Penn State students are capable of winning them.

Thomas W. Steck, has been appointed supervisor of administrative services at Penn State Harrisburg.

Mr. Steck, a former customer support representative for IBM, will oversee a number of operations, including serving as the database administrator, supervising clerical and wage payroll employees and providing software training to facilities and maintenance employees.

He holds a bachelor of business administration from Penn State Harrisburg.

Edwin L. Herr, distinguished professor of education and head, Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education in the College of Education, has been named associate dean for academic programs and research in the college.

Dr. Herr began his tenure at Penn State in 1968 as professor of education and chair of graduate programs in the Department of Counselor Education and served as a department head for 24 years. He also has been acting dean, acting assistant dean for graduate studies, director of Education Counseling Center and director of Vocational Teacher Education.

A former business teacher, school counselor and director of guidance, he previously served as assistant and associate professor of counselor education at the State University of New York at Buffalo and as the first director of the Bureau of Guidance Services and the Bureau of Pupil Personnel Services in the Pennsylvania Department of Education.

Dr. Herr holds a B.S. degree in business education from Shippensburg State College and a M.A. degree in psychological foundations, a Professional Diploma and Ed.D. in counseling and student personnel administration, all from Teachers College, Columbia University. He was named distinguished professor of education at Penn State in 1989.

He has served as a visiting professor, researcher or coordinator of international conferences in 20 European universities, Japan and Taiwan. His honors and awards include the 1986 Eminent Career Award of the National Career Development Association; the 1990 Professional Development Award of the American Association for Counseling and Development, and the 50th Anniversary Professional Leadership Award of the Association for Counselor Education and Supervision.

An American representative to the Board of Directors of the International Association for Education and Vocational Guidance, Dr. Herr is a Fellow of the American Psychological Association, past-president of the American Association for Counseling and Development, past-president of the National Vocational Guidance Association, and past-president of the Association for Counselor Education and Supervision.

The author of more than 250 articles and 28 books and monographs, he is on the Editorial Board of the *British Journal of Guidance and Counseling* and recently was elected editor-designate of the *Journal of Counseling and Development*.

Edwin L. Herr

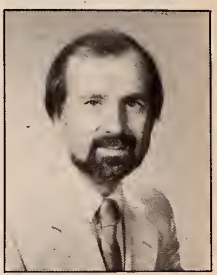
Philip J. Morris, professor of aerospace engineering and director of computational fluid dynamics studies, has been named Boeing Professor in Aerospace Engineering.

Dr. Morris is an internationally recognized expert in aeroacoustics. His current research focuses on the aeroacoustics of supersonic jets, boundary layer stability over compliant surfaces, mixing and mixing enhancement in supersonic shear layers, and computational aeroacoustics.

The author of numerous publications, he received a best paper award from the American Institute of Aeronautics and Astronautics in 1989. He has contributed to two books, *Progress in Astronautics and Aeronautics* (MIT Press) and *Mechanics of Sound Generation in Flows* (Springer-Verlag). He has received Penn State Engineering Society Outstanding Teaching and Research Awards.

An associate fellow of the AIAA, Dr. Morris is chair-elect of the Aeroacoustics Technical Committee. He also served as general chair for the AIAA 13th Aeroacoustics Conference in 1990.

He joined the Penn State faculty in 1977 and was promoted to full professor in 1986. From 1984 to 1985, he took a sabbatical leave at the University of Southampton, England, as a visiting research professor. In 1987, he was a Science and Engineering Research Council Research Fellow at the University of Exeter, England.



Philip J. Morris

Upon receiving his Ph.D., Dr. Morris was appointed a post-doctoral fellow and research associate at the University of Toronto Institute of Aerospace Studies (1971-73). He went on to work for Lockheed Georgia Company, first as a consulting scientist and later as a research, design and development engineer-associate.

He received three degrees from the University of Southampton: B.S. in aeronautical engineering; an M.S. from the Institute of Sound and Vibration Research; and a Ph.D. in aeronautics and astronautics.

The Boeing Professorship in Aerospace Engineering was established in 1985 with a $250,000 gift from the Boeing Company of Seattle, Wash.

Barnes W. McCormich, professor emeritus of aerospace engineering, was the previous holder.

Donna Zang has been named county extension director for Penn State Cooperative Extension in Butler County. In addition to assuming her new administrative responsibilities, she will continue to serve as 4-H coordinator.

Ms. Zang began her career with cooperative extension in 1979, coordinating the 4-H youth development program in Butler County. From 1985 to 1987, she acted as a computer support agent for 17 counties in western Pennsylvania, helping to implement computerization of county extension offices.

Ms. Zang holds a B.S. in animal production from Penn State and is completing her master's degree in public administration from Slippery Rock University of Pennsylvania. She is a member of the state and national chapters of the Association of County Agricultural Agents and the Association of Business and Professional Women.

Awards

Teaching efforts recognized

Worthington Scranton Campus

Gail C. Keating, assistant professor of English and women's studies at the Penn State Worthington Scranton Campus, has been named the 1992 recipient of the Campus Advisory Board Award for Excellence in Teaching.

The award was instituted in 1989 by the local board to recognize a faculty member who has demonstrated innovative and dedicated teaching and advising techniques in his or her academic endeavors.

A member of the Worthington Scranton Campus faculty since 1970, Dr. Keating received her bachelor of arts in English from Penn State. She holds both a masters of science degree in English and a masters of science degree in librarianship from Marywood College. Her doctorate in education is from Temple University.

DuBois Campus

Nasser Y. Al-Awar, assistant professor of engineering at the Penn State DuBois Campus, has been named its "Educator of the Year" for 1991-92 by the DuBois Education Foundation, the campus' advisory board.

Professor Al-Awar's nominations highlighted his teaching efforts in and out of the classroom. In addition to teaching electrical engineering courses to both associate and baccalaureate degree students, he spends time monitoring the electronics lab, counseling advisees, and overseeing independent study courses. Last year, he supervised an undergraduate research project involving computer simulation for design and testing of electrical circuitry.

Outside the classroom, Professor Al-Awar has been instrumental in developing the Tech Prep program, serving as a member of the steering committee. He is the campus' electrical engineering technology program leader and advises the Penn State DuBois Engineering Club.

A graduate of Eastern Michigan University with a bachelor of science degree in physics, he received a bachelor of science degree in electrical engineering from the University of Michigan and a master of science degree in electrical engineering from Penn State.

The Educator of the Year award is accompanied by a $500 check which Professor Al-Awar intends to contribute to an award for promising electrical engineering/engineering technology students.

Annual Wilson Award presented to four

Terry Engelder, professor of geosciences, and **Lakshman S. Yapa**, associate professor of geography, have received the 24th annual Wilson Award for outstanding teaching in the College of Earth and Mineral Sciences.

Terry Engelder

Dr. Engelder joined the University faculty in 1985 and teaches courses in rock mechanics and structural geology. His enthusiastic approach to teaching and use of current research to illustrate his lectures motivates and draws praise from his students.

He is author of *Stress Regimes in the Lithosphere*, in press at Princeton Press, and a principal investigator for a major study of the formation of pressure compartments in rock strata, funded by the Gas Research Institute. He was elected as a Fellow of the Geological Society of America in 1989.

Lakshman S. Yapa

Dr. Yapa, who has been with the Department of Geography since 1977, has particular research interests in regional development and the creation of low-cost computer systems for use in land use planning in developing countries.

A native of Sri Lanka, he brings an informed perspective to his courses on the Third World. Students of "Geography of the Developing World" not only appreciate Dr. Yapa's enthusiasm for what he teaches, but also cite his unparalleled ability to encourage students to think about bold, often unorthodox viewpoints which may lead students closer to the truth.

The fourth annual Wilson Research Award was presented to **Eric J. Barron**, professor of geosciences and director of the Earth System Science Center, and **Gary L. Messing**, professor of ceramic science and engineering and director of the Center for Particle Science and Engineering.

Eric J. Barron

Dr. Barron was cited for his pioneering computer modeling studies of global change that combine concepts of oceanography, climatology and geosciences and provide a number of new insights into the climate of anomalously warm geologic time periods. His work on the Cretaceous and Eocene Periods has challenged many long-held hypotheses on ocean-atmosphere research.

Gary L. Messing

Dr. Messing was cited for his creative and comprehensive work on the seeding of phase transformations and microstructures, which has revolutionized the sol-gel processing of ceramics and stimulated research worldwide. His research has led to greater control in producing high-density ceramic materials at lower temperatures.

The Wilson Awards for teaching and research are supported by bequests from the estate of a 1918 graduate of mining engineering, Matthew J. Wilson, and his wife, Anne Coghlan Wilson.

Honors bestowed for service to campus

Six faculty and staff members of the Penn State Wilkes-Barre Campus have received top honors for service at the campus.

Anne A. Holmes, instructor in health and physical education, received the Community Service Award, which recognizes a person who has made an outstanding voluntary and unpaid contribution to community life in the campus service area. Ms. Holmes is biking across the country to raise money for Habitat for Humanity.

Trish Crahall, campus nurse, received the Fran Brown Humanitarian Award which recognizes outstanding contribution, beyond job responsibilities, to humanizing life within the campus by demonstrating her concern and support for others. The award was named in memory of the campus secretary who for thirteen years epitomized this attitude.

The Innovation Award was given to **Pat Cole**, coordinator of learning support services, for "significant contributions to the campus through innovative means, which included finding new ways to optimize resources."

Marion Spencer, secretary to Learning Support Services, received the Professional Development Award for performing outstandingly in her field. She served as president of the Office Support Staff this year.

The person who has earned the respect and admiration of colleagues by consistently performing his assigned responsibilities in a superior fashion is **Harold Groff**, assistant professor of engineering, who received the Excellence in Performance Award.

A Special Service Award, given only when an individual is especially deserving, was awarded this year to **Edward Dreisbach**, professor emeritus of engineering, who came out of retirement to teach a special electrical engineering class.

Media critic wins 1992 award for contributions

Stephen Klaidman, author of the book *Health in the Headlines*, has been named the winter of the 1992 Lowell Mellett Award for outstanding media criticism during judging at University Park.

The $1,000 award recognizes outstanding contributions to the improvement of print and broadcast journalism through responsible analysis or critical evaluation. It has been administered by the School of Communications since 1984.

Special citations were presented to **Mel Friedman** for an analysis of the U.S. press coverage of worldwide nuclear proliferation, which was published in Deadline, a research bulletin of the Center for War, Peace and the News Media at New York University; and to **Ellen Hume** and the Joan Shorenstein Barone Center on the Press, Politics and Public Policy of the Kennedy School of Government at Harvard University for the study "Campaign Lessons for '92."

"Mr. Klaidman has written a compelling documentation of the press' role in the formulation of national health policy," said the judges. "He begins with a brilliant discussion of risk assessment and follows with a step-by-step analysis of how the press first ignored, then was prompted, teased and manipulated into covering issues of national consequence."

A fellow at the Kennedy Institute of Ethics at Georgetown University, Mr. Klaidman has had a career of 23 years as a journalist with *The New York Times*, *The Washington Post* and the *International Herald Tribune*. He will receive the award during a visit to the campus in fall semester 1992.

The Mellett Award was established in 1978 from a bequest by the late Lowell Mellett, a distinguished editor and syndicated columnist.

Partings

Five from College of Agricultural Sciences retire

Richard S. Adams, professor of dairy science, has retired with emeritus rank after 36 years service.

Dr. Adams was responsible for Penn State Cooperative Extension's dairy nutrition program and established the university's forage testing and feed programming service, a model for similar programs throughout the world. He also was instrumental in developing software used in least-cost ration formulation and feeding recommendations provided on dairy herd improvement records.

Richard S. Adams

He has been involved in many educational programs, including demonstration farms and schools and seminars for veterinarians, feed trade people and dairy farmers.

Dr. Adams researched calf nutrition, forage evaluation and feed additives for milk production. His collaboration on animal health studies resulted in the development of metabolic profiling services for veterinary practitioners and an early awareness of the involvement of water quality and intake on animal health and production.

In 1972, he received the Extension Specialist award for meritorious service from the Pennsylvania Dairymen's Association. He also received awards from the American Forage and Grassland Council, Gamma Sigma Delta, the Atlantic Breeders Cooperative and the Northeast Division of the American Society of Animal Science. In 1991, he received the DeLaval Dairy Extension Award.

Dr. Adams is a member of the American Dairy Science Association, the American Society of Animal Science, the New York Academy of Science and numerous honorary fraternities including Alpha Zeta, Sigma Xi and Epsilon Sigma Phi.

Joseph M. Duich, professor of turfgrass science, has retired with emeritus rank after 36 years service.

Joseph M. Duich

He developed the two-year technical program in turfgrass management, which in 1984 received the National Association of State Departments of Agriculture-Reynolds Industries National Award for Excellence in Agricultural Technology. He also developed the Joseph Valentine Turfgrass Research Center, a 10-acre testing site for new turfgrass varieties.

His research focused on crownvetch for erosion control, turfgrass weed and disease control, nitrogen fertilization, soil modification, putting-green speed management, species competition, electrophoresis cultivar identification and seed printing.

Dr. Duich released Pennfine ryegrass, the first early maturing variety developed in this country, as well as Penncross, Penneagle and Pennlinks bentgrasses, which are used on golf courses in 15 countries.

He taught turfgrass science and directed the turfgrass winter course program. He received awards from the U.S. Golf Association, the Golf Course Superintendents Association of America and Gamma Sigma Delta, the national honorary fraternity of agriculture. He is a fellow of the American Association for the Advancement of Science.

Neil B. Gingrich, instructor in agricultural economics, has retired with 23 years service.

Mr. Gingrich attended the Pennsylvania State College and received his bachelor's degree in agricultural education in 1949. He was self-employed as a farm operator in Lebanon County from 1950 until 1967, when he returned to Penn State. He received his master's degree in agricultural economics in 1968.

Mr. Gingrich joined the Agricultural Economics and Rural Sociology Department as an instructor after graduation. He taught courses and conducted research in farm management, agricultural economics, rural industrialization and rural development and change.

He served on the department's undergraduate program and census data advisory committees, and was a member of the college's two-year agricultural business advisory committee. From 1989 to 1991, he served as the department's undergraduate program coordinator. He is a member of the Alpha Zeta and the Alpha Tau Alpha honor societies.

Mr. Gingrich lives in Centre Hall. He plans to spend time pursuing his interests in horology and antiques as well as supporting farming activities and travelling.

Neil B. Gingrich

Paul C. Kersavage, assistant professor of wood science and technology, has retired after 26 years service.

His research focused on mechanical and physical properties of wood, improving forest products operating efficiency and forest products manufacturing. He taught wood technology, forest products production management, forest products manufacturing, wood machining and forest products operations analysis. He also directed the annual kiln drying workshop, which attracts students from wood manufacturing firms throughout the eastern United States and Canada.

He held leadership positions in several professional organizations, including the American Society for Quality Control, the Forest Products Research Society and the Society for Wood Science and Technology.

Professor Kersavage is a member of Xi Sigma Pi, the national forestry fraternity; Phi Epsilon Phi, the national botany fraternity, and Gamma Sigma Delta, the national agriculture fraternity.

Alvi O. Voigt, professor of agricultural economics, has retired with emeritus rank after 35 years service.

He attended Albright College and served as an aviator in the U.S. Navy from 1948 to 1953 before receiving his bachelor's and master's degrees in agricultural economics from Penn State. He joined the university faculty as an extension marketing specialist in 1956; was named assistant professor in 1957, associate professor in 1962 and professor in 1973.

Alvi received international attention for his extension education program in marketing floriculture and ornamental nursery products, which emphasized identifying and finding solutions to the industry's marketing problems. In 1973, he received the Society of American Florists Education Research Award for his sabbatical project, "Exploration of New Developments in the Flower Industry."

An honorary member of the Pennsylvania Flower Growers Association and the Pennsylvania Retail Florist Association, he received the 1987 Resource Development Award of the Professional Plant Growers Association.

He was a member of the University Faculty Senate from 1973 to 1986, serving on many committees. He vice-chaired both the external affairs and Commonwealth Campuses/Continuing Education committees.

Alvi and his wife, Janice, live in State College. They have three children, all Penn Staters and married to Penn Staters, and eight grandchildren. He plans to continue informing people that gardening is both the nation's leading leisure activity and a thriving economic activity. He also plans to take time to smell the flowers, literally and figuratively.

Alvi O. Voigt

Investigating carpal tunnel syndrome

Plastic drinking straws may help shed light on the causes of cumulative trauma disorders like carpal tunnel syndrome, according to University researchers.

Cumulative trauma disorders result from repetitive, forceful motions and, according to the U.S. Bureau of Labor Statistics, were the fastest growing occupational injury during the 1980s.

"In 1983, there were 26,700 reported cases of CTDs, but in 1987 the number increased to 72,940," said **Chiuhsiang Lin**, graduate student in industrial and management engineering systems. "Carpal tunnel syndrome is one of the most common forms of CTD."

"Carpal tunnel syndrome is a problem in the meat and poultry industry because the work is nonuniform and cannot be easily automated. Skinning and cutting up carcasses requires repetitive, forceful motion," said **Joseph H. Goldberg**, associate professor of industrial engineering. "CTS also is common in the sewing industry and among carpet layers."

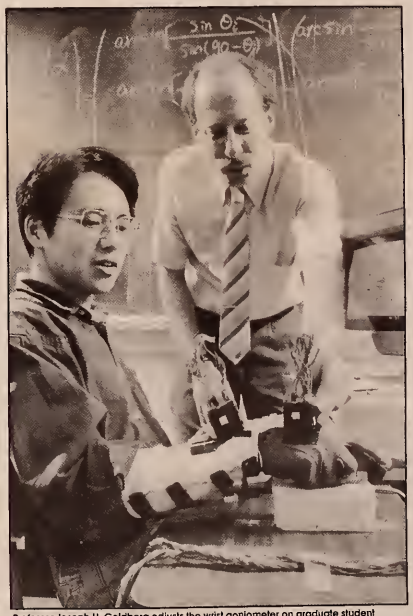
Mr. Lin, along with Dr. Goldberg and **Andris Freivalds**, associate professor of industrial engineering, is developing a device that can accurately and inexpensively measure wrist deviation and record repetitions. The sensors in this prototype device are fabricated in part from plastic drinking straws.

According to the researchers, most goniometers — devices that measure angles — include exoskeletons. Although they are light weight, the exoskeletons can influence the motion simply by being there. The devices also physically link the hand and wrist, which further alters motion.

"The objective is to measure the angle between the forearm and hand accurately, quickly and nonintrusively," said Dr. Freivalds. "The trick was to develop a sensor that would work without a hard link between the hand and forearm."

The Penn State team is developing a flexible goniometer that uses a light glove for the hand and elastic band for the forearm. The sensor boxes are mounted on the back of the glove and on the band, but are not connected to each other.

Mr. Lin's sensors are short tubes made from plastic drinking straws partially filled with red-dyed water with a light emitting sensor on one end and a light detecting sensor on the opposite end.



Professor Joseph H. Goldberg adjusts the wrist goniometer on graduate student Chiuhsiang Lin.

(Photo: James Collins)

Commercial optoelectric sensors are available, but they are expensive, so the researchers were looking for a less expensive alternative.

"Plastic drinking straws were an acceptable diameter and their extruded surfaces seemed suitable for the sensors," said Mr. Lin. "We found that the material properties of the plastic straws was very important. The first straws I tried worked very well, but then I couldn't remember where I'd gotten them nor could I find any others that worked as well."

After a tour of nearly all the fast-food establishments in State College, Mr. Lin obtained a supply of straws with the desired properties.

Choosing a liquid for the sensors was also a trial and error task. After trying soy sauce, tea and other possibilities, Mr. Lin finally chose red-dyed water as the best fluid. While the type of dye does not matter, the color density does.

"If we place a light emitting device at one end of the tube and a light detecting device at the other end, then we can measure the light absorbed by the fluid," said Mr. Lin. "The amount of absorbed light is related to the amount of liquid the light must travel through. That amount is altered when the tube is tilted from the horizontal allowing the light to pass through both liquid and the newly created air space."

Three sensor tubes, two horizontal and crossed at a 90 degree angle and one vertical, are necessary to measure movement in all directions. Two sets of these three tubes, one on the glove and one on the arm, can measure position relative to the horizon and, using a computer, indicate the positions of the hand and arm.

Initially, when the hand was parallel to the horizon, the detectors could not determine if the hand was palm up or down. An additional sensor in the middle of the tube solved this problem.

An important aspect of motion studies in carpal tunnel syndrome or any cummulative trauma disease is force measurement, but the optoelectric goniometer measures position and records repetitions, not force. Another device, also under development, will measure force and the two devices eventually will be incorporated.

"If we can measure force, deviation and repetitions, we might be able to determine exactly what effect each of these variables has on the development of cumulative trauma disease," said Dr. Goldberg.

– A'ndrea Elyse

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWDRK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, July 16. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00030, Electron Microscopist, Senior Vice President for Research and Dean of the Graduate School, Biotechnology Institute, University Park Campus** — Responsible to the director, Biotechnology Institute, and the supervisor/director of the Electron Microscope Facility, for the technical, instructional, and management duties involved in the operation of the microscopy laboratory. Requires bachelor's degree, or equivalent, in agriculture or one of the life sciences, plus a formal course in electron microscopy and from one-to-two years of effective experience. Experience in preparing biological specimens for transmission and scanning electron microscopy, including cryopreparations, in situ hybridization, immunocytochemistry and histochemistry, is required. SPEC GRADE 20

■ **00031, Information Specialist, Senior Vice President for Research and Dean of the Graduate School, Pennsylvania Transportation Institute, University Park Campus** — Responsible to the administrative assistant of PTI for the writing, editing, and publishing of various reports, proposals, and publications. Supervise editorial, public relations, and library personnel. Be knowledgeable of agency guidelines for proposal submission. Requires bachelor's degree in English or journalism, plus one-to-two years of related experience. Excellent interpersonal/communications skills required. Supervisory experience, knowledge of Word Perfect 5.1 and/or LOTUS 1-2-3 preferred. SPEC GRADE 20.

■ **00032, Staff Assistant, President's Office, International Programs, University Park Campus** — Responsible to the assistant director, Program Support Services, for planning and implementing a variety of promotional and publicity initiatives for the Office of Education Abroad Programs. Assist with student advising for study abroad programs. Develop computer information systems to streamline and track promotional activities and expenses. Requires bachelor's degree, or equivalent, plus one to two years of effective experience. Excellent communication and organizational skills required. This is a fixed-term position funded through June 30, 1993, with a good possibility of re-funding. SPEC GRADE 18.

■ **00036, Affirmative Action Specialist, President's Office, Affirmative Action, University Park Campus** — Responsible to the affirmative action director for providing University-wide educational programming, written and oral communication regarding activities and goals of the Affirmative Action Office. Develop informational and training materials and conduct workshops on affirmative action issues. Requires bachelor's degree, or equivalent, plus one-to-two years of effective experience in the social sciences, human relations or related fields plus effective verbal and written communication skills, demonstrated evidence of problem solving ability and effective interpersonal relations. Familiarity with investigative techniques and knowledge of affirmative action/equal opportunity laws and policies preferred. SPEC GRADE 19.

■ **00037, Administrative Aide, College of Education, Administration, Policy, Foundations, and Comparative/International Education, University Park Campus** — Responsible for UCEA/Penn State liaison and providing assistance to the executive director in the coordination of administrative functions of the office. Requires associate degree, or equivalent, in business administrative or related field plus one-to-two years of effective administrative, budget and supervisory experience. Experience with multi-funded automated accrual system accounting, knowledge of Macintosh based software using System 7 (Excel, PageMaker, MS-Works, MultiLedger, and MS-Word especially desirable), public relations, office management, and APA style manuscript preparation strongly desired. This is a fixed-term position funded until June 30, 1993, with re-funding likely. SPEC GRADE 19

■ **00038, Executive Chef, Housing and Food Services, University Park Campus** — Responsible to the director of food services for duties performed as executive chef for the Department of Housing and Food Services. Assumes responsibility to develop and/or coordinate all recipes, menus and production staff development programs for the department. Coordinates and participates in special event food production as requested by the director of food services. Requires bachelor's degree, or equivalent, with three-to-five years of effective supervisory experience. Specialized training in quality food preparation desired. SPEC GRADE 19.

■ **02246, Resident Manager of Graduate Housing, Housing and Food Services, University Park Campus** — Responsible to the director, Housing Services, for the operation of residence halls and apartments for single graduate students and apartments for graduate families, and for the coordination of all assignment activities with the manager, Assignment Office. Requires bachelor's degree, or equivalent, in hotel or institution administration and/or student personnel services or related field plus two-to-four years of effective experience in student residence hall, family apartment, business or student personnel. This is a re-announcement. Previous applicants need not re-apply. SPEC GRADE 23.

■ **00039, Supervisor, Bakery Production, Housing and Food Services, University Park Campus** — Responsible to the assistant manager, Food Stores Building, for overall Bakery operation, including planning, scheduling of employees, quality and quantity of production, training of personnel, sanitation and housekeeping. Supervise the work of the production supervisors. Assist in coordinating services with the units, case operations and off-campus units. Requires bachelor's degree, or equivalent, and from one-to-two years of effective experience in quantity food service management. SPEC GRADE 19.

■ **02356, Assistant Manager, Housing and Food Services, Berks Campus** — Responsible to manager of housing and food services for assisting in supervising the overall operation of the Housing and Food Service units at the Commonwealth Campus to which assigned. Requires bachelor's degree, or equivalent, in institutional management plus one-to-two years of effective experience in food supervision. SPEC GRADE 18

■ **00029, Director for Client and Campus Services, Undergraduate Education, Student Aid, University Park Campus** — Responsible for a division of 15 staff and a peer counselor program of 15 students, delivering high quality student financial aid services at University Park and system-wide, in conjunction with aid representatives. Duties include supervision of all client correspondence, telephone inquiries, direct counseling and advising of students, information dissemination, resolution of student appeals. Position is one of six division directors. Requires master's degree plus three-to-four years of effective experience in student personnel or student aid administration and significant supervisory experience. Excellent communication skills, strong organizational and developmental skills highly desirable. SPEC GRADE 29.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by **July 16.**

■ **11387, Clinical Nurse Specialist—College of Medicine, University Hospital, Department of Medicine** — Responsible to the Medical Attending for the Department of Medicine for all medical and administrative aspects. Responsible for managing and providing care for the patient who requires general medical care from admission through discharge, utilizing collaborative consultation with team members and written protocols. Requires a master's degree in one of the nursing clinical specialty areas plus one-to-two years of effective experience. Licensed by the Pennsylvania State Board of Nurse Examiners. Nurse Practitioner preferred. Staff Exempt, GRADE 7

■ **11378, Poison Information Specialist—College of Medicine, University Hospital Department of Emergency Services** — Responsible to the coordinator, Poison Center, for providing information, making patient assessments and treatment recommendations pertaining to poisonous and toxicology to medical and nonmedical persons, as well as prevention education and follow-up care instructions by way of telephone communication. Registered nurse with current Pennsylvania Licensure or bachelor of science degree in pharmacy plus up to one year of effective experience in emergency or critical care nursing or poison center experience is also required. Within two years of eligibility, must successfully complete the AAPCC certification examination for specialist in poison information. Staff Non-Exempt, GRADE 4

■ **10476, Manager, Purchases and Stores, Department of Purchasing** — Responsible for the administration of the purchasing program including responsibilities for the management of the purchasing department, inventory and a stores operation. Requires a bachelor's degree or equivalency plus over four and up to and including seven years effective experience. Staff Exempt, GRADE 8

■ **19412, Foreman, Department of Environmental Health** — Responsible for planning, scheduling and supervising the work of the housekeeping crews. Also assists in the training of janitors and evaluation of new materials, equipment and techniques. Requires a high school education with a minimum of two-to-three years of effective experience, including some supervisory experience, in janitorial service or related area plus an indication of leadership qualities. Must possess a valid driver's license. Staff Exempt, GRADE 4

■ **19410, Chart Completion Supervisor, Health Information Systems** — Responsible for the management of chart completion activities related to health data quality issues, medicolegal concerns and accrediting agency requirements. Requires a registered record administrator (RR.A.) or accredited record technician (A.R.T.); current registration/accreditation with the American Health Information Management Association, and one-to-two years effective medical records or health information management experience. Staff Exempt, GRADE 6

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INTERCOM

July 23, 1992 Volume 21, Number 36

Budget of more than $1.4 million okayed

The Board of Trustees approved a 1992-93 total operating budget of $1,458,306,000 for the University at its meeting July 10 at the Penn State McKeesport Campus.

"The budget incorporates a permanent cut of $9.5 million in the 1992-93 state appropriation, which totals $249.2 million," President Thomas said. "This is the first cut in the University's permanent base budget since 1933."

The cut follows a $12.6 million mid-year cut from the 1990-91 appropriation of $251.9 million, although it was restored in the 1991-92 appropriation. But in the 1991-92 academic year, the University faced another mid-year cut of $9.2 million from its appropriation of $258.7 million, which was not restored for the 1992-93 academic year.

"We will enter the 1992-93 academic year leaner than we have been in many years," Dr. Thomas said. "We built the University's budget based on the approved appropriation amount we received from the Commonwealth. It is very difficult for deans and other administrators to run their programs in this 'up-again-down-again' fiscal environment.

"Recognizing the very real tuition concerns raised by students and their parents — even in the face of a substantial decrease in state appropriation — we are limiting our proposed tuition increase to 5 percent."

In addition, more than $8 million has been reallocated within the University, and there is minimal progress on salaries and programs, he noted.

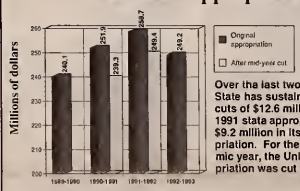
At University Park, tuition for full-time undergraduate Pennsylvania residents will now be $2,274 per semester or an increase of $108. For undergraduate out-of-state residents at University Park, tuition will be $4,787 per semester, or an increase of $228.

For undergraduate Pennsylvania residents at Commonwealth Campuses, tuition is $2,202 per semester or an increase of $105. For Pennsylvania resident graduate students, tuition is $2,544 per semester or an increase of $121.

"These budget difficulties are coming at a time when tuition at public universities in Pennsylvania is the highest in

See 'Budget' on Page 4

Penn State Appropriation



Over the last two years, Penn State has sustained mid-year cuts of $12.6 million in its 1990-1991 state appropriation, and $9.2 million in its 1991-92 appropriation. For the 1992-93 academic year, the University's appropriation was cut $9.5 million.

The recent hot weather and spells of rain have helped the trial gardens at University Park come into full bloom. Here, student Mike Kelinoski, checks on some begonias planted as part of the test seed trials.

Photo: Greg Grieco

Expansion of health benefits being planned

The University is actively planning the expansion of health care benefits to include a health maintenance organization (HMO) option for employees at the University Park Campus and some other locations.

The HMO would be part of a planned alliance with HealthAmerica, which serves more than 200,000 members and is affiliated with more than 35 hospitals and 1,500 participating physicians in Pennsylvania.

"Like all employers nationwide, the University each year faces unavoidable increases in the costs of its health care for its employees," James Wagner, vice president for business and operations, said.

"One of the current programs, HealthPass, was started by Penn State four years ago to help slow down the pace of rapidly rising health care costs and it's been fairly successful. But even with its success, health care costs still are climbing by 16 to 22 percent each year."

Currently, University Park employees receive health care benefits under the HealthPass option, known as a Preferred

See 'HealthAmerica' on Page 4

Bulk of internal funds to focus on academic programs

Despite a difficult financial year, Penn State will look toward reallocating some internal funds to keep focus on important programs, John Brighton, executive vice president and provost, has told the Board of Trustees.

"By almost any measure, Penn State is operating with less support than its peers," Dr. Brighton said. "But in view of the serious limitations on this year's budget, the University recognized that any improvements in program support would have to be funded from existing funds.

"Deans and heads of other units have been informed that 3 percent of their base operating budgets will be withdrawn for 1992-93 to support the internal reallocation plan." The budget for University Libraries is not included in the cuts.

> ***"By almost any measure, Penn State is operating with less support than its peers."***
>
> John Brighton
> Executive vice president

From the internal reallocation funds, $3.05 million is earmarked to support the most critical program needs that were identified in this year's review process.

Program needs include allocations of $2,053,000 for colleges, schools and campuses; $340,000 for University Libraries; $462,000 for other academic support units, and $195,000 for administrative support units.

Overall, the program allocations will represent funding at about half the level of the average for the previous four years.

"Approximately 94 percent of the reallocated funds for program needs is directed at academic and academic support units in this new budget," Dr. Brighton said. "That is higher than in many recent years. Only 6 percent will go to administrative units."

There are many areas of critical needs which the budget will not

See 'Funds' on Page 4

DIVERSITY

New minority internship designed to recruit staff

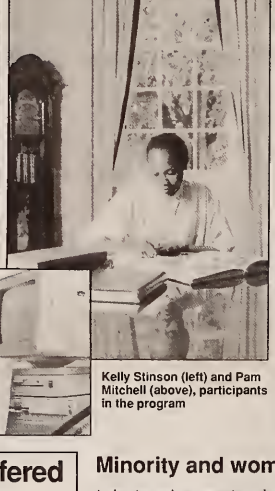
Nine minorities from Philadelphia, Pittsburgh, and central Pennsylvania are participating in a new University summer internship program designed to recruit minority clerical staff from around the state.

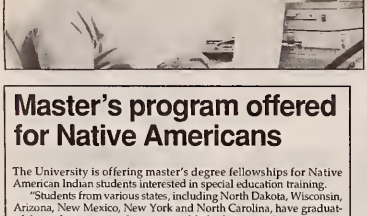
"Developed by the University's Office of Human Resources, the Summer Clerical Intern Program is one of the first of its kind in the nation," said **Steve Hayes**, human resource specialist and program coordinator. "It was designed specifically to increase the representation of people of color in clerical and other support staff positions at Penn State."

Spearheaded by Mr. Hayes and **Jerri Johnson**, employment specialist, the eight-week program is the result of more than a year of planning. It provides minorities who have post-secondary clerical skills training with professional work experience.

"The University has worked to increase minority student enrollment and appointments of minority faculty and staff. This program is another endeavor to increase the diversity of our clerical staff as well," Mr. Hayes said.

Targeting ways to find new minority clerical workers can be challenging for institutions located in rural settings, such as Penn State. Few minorities live in surrounding areas, and the University is located about 200 miles from Philadelphia, Pittsburgh and other urban areas with high minority populations. Consequently, few minorities have an idea of the advantages of living and working in such areas.





Kelly Stinson (left) and Pam Mitchell (above), participants in the program

"That's how this program helps. We go to business schools and other institutions with clerical training programs to work with counselors to identify and recruit new minorities who are open to relocation," said Ms. Johnson.

Once identified, candidates are interviewed, evaluated for skills and brought to the University Park Campus for a visit to determine their interest in living in a college town for the summer, and possibly for their first career employment.

When the internship begins, several measures are taken to ensure a pleasant work experience. For example, upon placement in clerical positions throughout the University, the interns are paired with workplace mentors.

"The mentors basically assist the intern in adjusting to the work environment here. They serve to answer any type of questions," Ms. Johnson said.

To help the interns adapt to living and working in a predominately non-minority environment, each is assigned an additional buddy who is responsible for helping the individual become acclimated to the community outside of the workplace.

"The buddies help a great deal in bringing out the social side of living and working in the community. In addition to attending off-campus social events, interns also participate in activities specifically for themselves and their buddies," Mr. Hayes added.

The interns also meet weekly with program organizers to discuss such topics as coping strategies for working in a predominately non-minority environment, University employee programs, and other general questions.

"We are very pleased with the program so far and look forward to potential placement of interns in regular, full-time support staff positions," said Mr. Hayes.

Master's program offered for Native Americans

The University is offering master's degree fellowships for Native American Indian students interested in special education training.

"Students from various states, including North Dakota, Wisconsin, Arizona, New Mexico, New York and North Carolina, have graduated from the program that was established in 1983 through a U.S. Department of Education grant," **Anna Gajar**, associate professor of special education and program director, said.

The program is affiliated with Penn State's nationally recognized Native American Indian Leadership Program.

The American Indian Special Education Teacher Training Program is designed to prepare Native American Indian teachers to effectively work with mentally and physically handicapped Native American Indian children. Seminars focusing on Native American Indian education are conducted in conjunction with the Native American Indian Leadership Program.

It is expected, pending final federal approval, that participants in the program will receive a monthly stipend of approximately $800, a dependency allowance, remission of tuition and a textbook allowance.

Graduates will receive a master of education degree in special education. Depending upon application qualifications, the course of study will involve at least a one-year commitment.

After graduation, participants will be qualified for several employment opportunities, including special education teacher, special education program coordinator and consultant, special education program developer and special education positions within the Bureau of Indian Affairs.

The deadline for submitting applications for fall semester, which begins August 1992, is July 20. The application deadline for spring semester 1993, which begins January 1993, is Nov. 15, 1992. Applications for both semesters are now being accepted.

For more information, write to Dr. Gajar, American Indian Special Education Teacher Training Program, 226B Moore Building, University Park, or call the program office at 863-2284, or 863-2287.

Minority and women's issues discussed

A planning and programming subcommittee of the Academy of Criminal Justice Sciences met at Penn State recently to discuss minority and women's issues for the organization's national convention to be held in March.

Participants from around the country visited Penn State July 10-12 as the organization's newly-formed Minorities and Women Section, held its first planning conference.

The objectives of the meeting were two-fold: to initiate recommendations for panels, workshops, roundtables and awards for the national convention on class, race and gender issues, and to establish short- and long- term goals for the development of research, theory and teaching practices on issues relevant to minorities and women in criminal justice.

With more than 1,000 members, the Academy of Criminal Justice Sciences is a national organization for criminal justice academicians, policy makers and law enforcement professionals.

WPSX-TV offers feature film highlighting African-American culture and heritage

"Daughters of the Dust," the acclaimed feature film by Julie Dash set at the turn of the century about a Gullah family planning to migrate northward from its ancestral home, will have its television premiere on American Playhouse airing Saturday, July 25, at 6 p.m. on WPSX-TV.

Led by a remarkable group of African-American women, who are carriers of ancient West African traditions and beliefs, the extended family readies itself to leave behind friends, loved ones and an entire insulated way of life. The presentation will be introduced by Ms. Dash, who will also be interviewed on camera about the production by Cheryl Chisholm, director of the Atlanta Third World Film Festival.

Ms. Dash's own Gullah heritage inspired her to write the script, which she began in 1976 while studying at the American Film Institute. She structured the film much the same way that an African Griot would recount a family's history: rather than having a linear structure, the Peazant family's story is recalled, remembered and recollected in a manner that evokes the oral tradition of ancient tribes the world over.

"Daughters of the Dust" offers a rare dramatic record of a unique culture, whose people, speaking a distinct language called "Gullah" or "Geechee," were descendants of West African captives who worked as plantation slaves.

NCAA report reveals PSU graduation rates for students and athletes well above national average

Penn State students and student-athletes graduate at a rate well above the national average, the University has announced.

John J. Coyle, NCAA faculty representative, said the recent release of Division I graduation rates by the National Collegiate Athletic Association revealed that Penn State was 21 percentage points above average for the general student population and 12 points above the norm for student-athletes.

Dr. Coyle said the Penn State figures, released for the first time today, revealed a University Park Campus graduation rate (within six years of enrollment) of 73 percent for the student body and 63 percent for student-athletes. The national Division I figures, released by the NCAA on July 2, were 52 percent for students and 51 percent for student-athletes.

When students who left the University in good academic standing prior to graduation are excluded, Penn State's student-athlete graduation rate climbs to 76 percent, Dr. Coyle said.

Penn State student-athletes who earned degrees after exhausting eligibility (with no time limit) achieved an 86 percent graduation rate.

Dr. Coyle noted in particular that Penn State's rates for African-American student-athletes was nearly 30 percentage points above the national average and exceeded the performance of African-Americans nationwide in every other category identified in the NCAA study.

Three Rates Compiled for NCAA

The student-athlete graduation rate data, prepared to meet the mandate of recently enacted NCAA legislation, provides three methods of computing the graduation rate.

The "refined" rate reflects freshman and transfer student-athletes who received athletic aid and earned diplomas within six years, excluding those who transferred to other institutions in good academic standing. A "refined" rate is not available for the general student population.

The "defined" rate covers only freshman student-athletes on athletic aid but does not provide for the exclusion of those who left the institution in good academic standing, as defined by the NCAA.

A third rate focuses on those entering freshman student-athletes receiving athletic grants-in-aid who exhausted eligibility at the institution and graduated with no time limitation.

"Overall, we are pleased with the graduation rate statistics released today. The NCAA provides several different looks at graduation results and we feel it is important to consider all three methods when evaluating an institution's graduation efforts," Dr. Coyle said.

"The 'refined' and 'freshman who have exhausted eligibility' rates are positive. But, because the 'defined' rate for the NCAA study is lower for scholarship athletes than the student body, we plan to monitor any trends that may develop in this rate for future annual reports to the NCAA," Dr. Coyle added.

Next Year's Result An Improvement

Dr. Coyle expressed encouragement at the improvement in the graduation rate statistics recently compiled for Oct. 1, 1992, submission on the entering class of 1985-86. The overall student-athlete "defined" graduation rate was 75 percent, a jump of 12 points over the 1991 report.

In the 1992 statistical study, the "refined" rate for men was 85 percent compared to 81 for women. The football "refined" rate was 90 percent, which represents an increase of 22 percentage points.

The target years in the NCAA study released earlier this month were for freshman student-athletes receiving athletic aid in the entering classes of 1983-84 and 1984-85.

The NCAA report revealed that female student-athletes graduated at a higher rate than their male counterparts, a rate of 54 percent for the general population and 61 percent for the female student-athletes.

The corresponding Penn State figures were 76 percent for the student body and 72 percent for student-athletes. The Penn State "refined" figures elevate the female student-athlete rate to 82 percent.

In the national study, male students outperformed male student-athletes by 51 to 47 percent. The Penn State research showed "defined" rates of 70 percent for male students, 59 percent for student-athletes. The "refined" figure for male student-athletes was 73 percent.

Black Students Exceed Norms

Penn State's black students and student-athletes exceeded the national averages by a wide margin.

The graduation rate for black students was 31 percent nationwide, the corresponding figure for Penn State was 42 percent. The Division I black student-athlete population graduated at a 35 percent average. Penn State's equivalent figures were 63 percent on the "defined" rate, 71 percent in "refined" figures.

The performance of black female students and student-athletes and black male students and student-athletes was also well above the national norms (see accompanying chart).

Research Base Extended

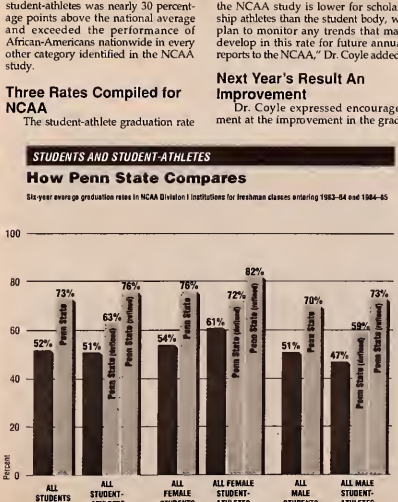
Dr. Coyle said research was conducted, using the current criteria, to look at the long-term "defined" and "refined" graduation rates in three sports for which the statistical data was most readily available—football, men's basketball and women's basketball. The periods surveyed were: football, 1966-86; men's basketball, 1965-87; and women's basketball, 1973-87.

Dr. Coyle reported all three sports had a "refined" rate of better than 80 percent when student-athletes who left in good academic standing were excluded. The rates were: football 90 percent, men's basketball 82 percent and women's basketball 86 percent.

In each case, the "defined" rates were lower: football 74 percent, men's basketball 64 percent and women's basketball 70 percent.

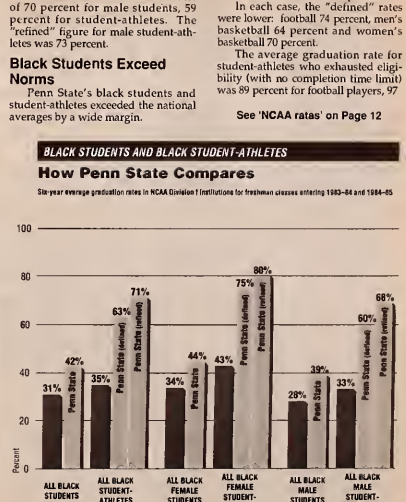
The average graduation rate for student-athletes who exhausted eligibility (with no completion time limit) was 89 percent for football players, 97

See 'NCAA ratas' on Page 12



"Defined" rates are restricted to all students and all student-athletes who entered and graduated from the same institution
"Refined" rates take into account those student-athletes who left their institution in good academic standing prior to graduation

For example, a student-athlete who transferred from Penn State in good academic standing to another university would be **excluded** in Penn State's "refined" rates but would be **included** in its "defined" rates



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Funds

Continued from Page 1

allow the University to address this year, he told the Board. "With the University-wide hiring freeze and the 3 percent reallocation program, many existing faculty positions will not be filled for the coming year.

"Important projects such as upgrading of the telecommunications infrastructure and improved communications linkages to the campuses will have to be deferred. A backlog in major maintenance at University Park and other locations now tops $118 million."

Another area of concern Dr. Brighton detailed is the lack of funds for departmental allotment increases. Penn State has not seen an increase in departmental allotments for the past seven years — a period when costs for such items as telephone, travel, postage and supplies have increased 25 to 30 percent.

"This has been a no-win situation as academic and administrative departments are forced each year to do with less," he said.

The University's budget process began with a request for updates of strategic plans that were originally submitted in January 1991. The updates were then reviewed by the President's Planning and Budget Advisory Committee, which consists of administrators, faculty and student representatives.

That group's recommendations regarding program priorities were then forwarded to the Budget Task Force, chaired by the President.

"The recommended allocations I present to you today have emerged from this very careful review process," Dr. Brighton told the Trustees.

In his outline to the Board, Dr. Brighton noted that by many measures against peer institutions Penn State appears to be operating with less support. For instance, he said Penn State operates with 15 percent less funding for instruction per full-time equivalent student than the average for all disciplines of 13 comparable AAU institutions.

He also noted:

— Looking at the Big 10 institutions plus the University of Virginia and the University of Maryland, our total expenditures per FTE student are 38 percent below the average.

— Our administrative costs for fund-raising are less than half the national average — 6.9 cents for each dollar raised compared with 16 cents per dollar nationwide.

— Physical plant costs at Penn State are 33 percent less than that of all research universities in the nation.

"This has been a no win situation as academic and administrative departments are forced each year to do with less."

Dr. Brighton

Budget

Continued from Page 1

the nation," Dr. Thomas noted. "This is obviously related to the fact that Pennsylvania still ranks near dead last in appropriations per student to its public universities."

In order to contain costs, the University is able to offset projected increases in health care costs and other employee benefits with savings and reallocations within the benefits budget. Also, Penn State will realize a savings of more than $1.6 million with a reduction in the employer's contribution for the State Employees Retirement System. An aggressive program emphasizing managed care will help to limit the increased health care costs.

There will be no salary increases for University executives — the president, the president's staff and deans. A proposed salary increase plan provides for a higher percentage increase for individuals at the lower end of the salary scale. The increase is about $700 per employee with flexibility for some merit adjustments.

"The budget we are presenting to you today has not been put together without some pain," Dr. Thomas said. "We have cut back on an institution that we all know to be lean. But we also have placed — and will continue to place — our highest priority on continuing incremental improvement at this University."

HealthAmerica

Continued from Page 1

Provider Organization (PPO), or under the Prudential option, a traditional medical insurance program.

Discussions with HealthAmerica are consistent with the report of the Task Force on the Future of Health Care given to President Thomas in late spring.

The new proposal calls for HealthAmerica to manage both health care options and provide a third option, the HMO, at University Park and some other locations. The alliance with HealthAmerica will not change any benefits for employees under the existing options, according to Mr. Wagner.

HealthAmerica already has reached agreement with the Milton S. Hershey Medical Center.

"We currently are in positive discussions with HealthAmerica and anticipate contractual relations in the near future," Lance Rose, president and CEO of Centre Community Hospital, said.

Mr. Wagner said that HealthAmerica will be in contact with all the physicians and providers in the HealthPass network in the next several weeks to discuss future relationships.

Founded in Pittsburgh in 1973, HealthAmerica now provides HMO services to members in Pennsylvania. University employees at Penn State Harrisburg and the Pittsburgh area campuses already can select from three options: Prudential, HealthPass and HealthAmerica.

"HealthAmerica was a pioneer in managed health care in Pennsylvania and has an established record for managing costs efficiently while maintaining high levels of employee satisfaction," HealthAmerica President F.G. Chip Merkel noted. "Our track record as a leader in health care management allows us to aggressively tackle the issues of cost containment and quality assurance."

"Our objective is to ensure that we provide comprehensive, quality health care at a reasonable cost to more than 15,000 employees, their families and retirees," Mr. Wagner said. "This year alone, Penn State expects to spend approximately $55 million to provide health care benefits to employees. If we can reduce the cost increases even by a few percentage points, the savings will be in the millions of dollars.

"At a time when state funding and other traditional sources of income are reaching their limits, we believe that the current proposal is important for the future of the University."

HMOs typically emphasize a wide range of benefits and preventive care. An HMO differs from a Preferred Provider Organization (PPO - HealthPass) in that within the HMO, an employee selects a primary care physician who then directs further medical care among medical specialists and other providers, as required.

Under the agreement in consideration, University employees who select the HMO option would pay no deductibles nor would they need to fill out any insurance forms.

Initially, HealthAmerica plans to locate a staff of administrative professionals in Centre County and work closely with University officials to ensure a smooth transition, according to Mr. Merkel.

Negotiations have been under way with HealthAmerica for several months. University and company officials have been meeting with employees and physicians to review the proposed arrangement.

HealthAmerica is a subsidiary of Coventry Corporation, a managed health care provider offering a wide range of health care benefits to employer groups through three market-leading HMOs, located in Pittsburgh and Harrisburg, and in St. Louis, Mo.

"With enough support for the proposal, we believe that the proposed alliance gives many more options for University employees," Mr. Wagner said. "The HMO appeals to many employees because its preventative aspects encourage medical concerns to be addressed before they become major illnesses."

Billie Willits, assistant vice president for human resources, said additional information will be provided to University faculty and staff members at the beginning of the fall semester.

As part of any agreement, Dr. Willits said the University will work with HealthAmerica to attempt to make the HMO option eventually available to employees at most locations.

"HealthAmerica was a pioneer in managed health care in Pennsylvania and has an established record for managing costs efficiently while maintaining high levels of employee satisfaction."

F.G. Chip Merkel
HealthAmerica president

Scholarly meeting set for July 24-26

The University Council for Educational Administration (UCEA), housed within the College of Education, will hold its Steering Committee on Knowledge and Research in Educational Administration meeting July 24-26 at University Park.

Comprised of 30 preeminent scholars from around the country, this steering committee will discuss curriculum reform for educational administrators.

"This is a very significant meeting because we will be working on national curriculum changes that will affect more than 500 educational administration graduate programs across the country," noted Patrick Forsyth, director of UCEA. "This is a first effort by the academic arm of educational administration to radically change the way universities prepare educational administrators."

The UCEA, started in 1956 as a consortium of 51 major research universities, has a mission to improve the educational administrator preparation programs and university scholarship across the country. In 1991, UCEA moved to Penn State from the Arizona State University after a competitive bid by College of Education administrators. UCEA also sponsors the *Educational Administration Quarterly*, considered a premier educational administration journal worldwide.

Promotions

Academic

The following promotions in academic rank are effective July 1.

To Professor

Hamid A.B. Al-Mondhiry, Medicine
Richard N. Arteca, Horticulture
Augustin Banyaga, Mathematics
Jesse L. Barlow, Computer Science
Craig R. Baumrucker, Dairy and Animal Science
James G. Beierlein, Agricultural Economics and Rural Sociology
Gordon W. Blood, Communication Disorders
Thomas J. Bernard, Administration of Justice
Karen L. Bierman, Psychology
David B. Campbell, Surgery
Andrew G. Clark, Biology
Robert W. Collins, Physics
Keith A. Crnic, Psychology
Dwight Davis, Medicine
Anthony R. D'Augelli, Human Development and Family Studies
Andrew G. Ewing, Chemistry
Joseph A. Gascho, Medicine
Louis F. Geschwindner, Architectural Engineering
Dennis A. Gioia, Management and Organization
Gennady S. Gildenblat, Electrical and Computer Engineering
Michael H. Green, Nutrition
Murat Gunaydin, Physics
William T. Hartman, Administration, Policy, Foundations and Comparative/International Education
William A. Henk, Behavioral Sciences and Education, Penn State Harrisburg
David J. Hufford, Behavioral Science
Salim Kemal, Philosophy
Carol F. Kessler, English, Delaware County Campus
Walter P. Kilareski, Civil Engineering
Donna J. Kumagai, Mathematics, Berks Campus
Kwang Y. Lee, Electrical and Computer Engineering
Daniel T. Lichter, Sociology
Alan M. MacEachren, Geography
Melvin M. Mark, Psychology
John M. Mason Jr., Civil Engineering
Mary McCammon, Mathematics
David E. Miller, Physics, Hazleton Campus
Linda P. Miller, English, Ogontz Campus
Richard P. Moser Jr., Radiology and Surgery
Mary E. Nicholson, Health Education
Walter E. Pae, Surgery
Thomas M. Pannaparayil, Physics, Shenango Campus
Stanley P. Pennypacker, Plant Pathology
Daniel W. Pfaff, Journalism
Stephen Porter, Visual Arts
Audrey T. Rodgers, English
James L. Rosenberger, Statistics
Daniel J. Royse, Plant Pathology
Peter A. Rubba, Curriculum and Instruction
Alan W. Scaroni, Materials Science and Engineering
Cara-Lynne Schengrund, Biological Chemistry
Joan Y. Summy-Long, Pharmacology
John E. Tyworth, Business Logistics
Bruce A. Weigl, English
Mark D. Widome, Pediatrics
Brian L. Wigdahl, Microbiology and Immunology

To Librarian

Sarah G.W. Kalin, Collections and Reference Services

To Associate Professor

Monir Ahmad, Engineering and Engineering Technology, Penn State Erie
Richard B. Alley, Geosciences
Micaela Amato, Visual Arts
Thomas O. Beebee, Comparative Literature
Estela M. Bensimon, Administration, Policy, Foundations and Comparative/International Education
S. Diane Brannon, Health Policy and Administration
James G. Brasseur, Mechanical Engineering
Stephen H. Browne, Speech Communication
James H. Burness, Chemistry, York Campus
Cengiz Camci, Aerospace Engineering
Alfred Carlson, Chemical Engineering
Davida H. Charney, English
Robert L. Conter, Surgery
Lee D. Coraor, Electrical and Computer Engineering
James P. Crawford, Physics, Fayette Campus
Antonella Cupillari, Science, Penn State Erie
Chitaranjan Das, Electrical and Computer Engineering
Indu S. Das, Engineering Technology and Commonwealth Engineering, Shenango Campus
Frederick J. DeMicco, Hotel, Restaurant and Recreation Management
John Dolis, English, Worthington Scranton Campus
James M. Donovan, History, Mont Alto Campus
John A. Frangos, Chemical Engineering
Brian J. Gilmore, Mechanical Engineering
Javier Gomez-Calderon, Mathematics, New Kensington Campus
Barbara L. Goulart, Horticulture
Gregory A. Hanks, Surgery
Daniel F. Heitjan, Medicine
Charles Helou, Mathematics, Delaware County Campus
James T. Herbert, Counselor Education, Counseling Psychology, and Rehabilitation Services Education
Kane M. High, Anesthesia
James Hopfensperger, Visual Arts
Dale L. Jacquette, Philosophy
Loukas N. Kalisperis, Architecture
Paul F. Kaminski, Obstetrics and Gynecology
Teh-hui Kao, Molecular and Cell Biology
Paul A. Kettl, Psychiatry
Stephen J. Mackwell, Geosciences
Sally A. McMurry, History
Carla J. Mulford, English
Antonio Nanni, Architectural Engineering
James F. Nolan, Curriculum and Instruction
Stanley J. Nowak Jr., Spanish, Italian and Portuguese, Allentown Campus
Judith L. Ozment, Chemistry, Ogontz Campus
Thomas L. Pallone, Medicine
Deborah B. Preston, Health Education
Ljubisa R. Radovic, Materials Science and Engineering
Bee-Yan Roberts, Economics
Jovita Ross-Gordon, Adult Education and Instructional Systems
George W. Rung, Anesthesia
Garfield B. Russell, Anesthesia
Haiduke Sarafian, Physics, York Campus
Russell C. Scaduto, Jr., Cell and Molecular Physiology
Gary R. Smith, Civil Engineering
Valerie N. Stratton, Psychology, Altoona Campus
Donald A. Streit, Mechanical Engineering
Jane S. Sutton, Speech Communication, York Campus
Stefan T. Thynell, Mechanical Engineering
Marlene B. Vallin, Speech Communication, Berks Campus
F. Todd Wetzel, Surgery
Laurel Wiegand, Medicine
Jerry J. Wright, Exercise and Sport Science, Altoona Campus
George S. Young, Meteorology
Carlos A. Zuritz, Agricultural and Biological Engineering

To Associate Librarian

Bruce Bonta, Collections and Reference Services

To Senior Research Associate

Robert J. Vance, Center for Applied Behavioral Sciences

Penn Staters

Stanley B. Baker, professor of education, and **Ann T. Greeley**, affiliate assistant professor of counseling psychology, have received the Research in Counselor Education and Supervision Award of the Association for Counselor Education and Supervision for their study, "Systematic Training of Graduate-Level Counselors: Narrative Reviews of Three Major Programs."

James Diamond, assistant professor of agricultural and extension education, has been elected secretary of the Association of International Agricultural and Extension Education.

Jack Gido, director of PENNTAP (Pennsylvania Technical Assistance Program), has been named to the Technology Managers Advisory Board of the National Technology Transfer Center.

Bernard Guerney Jr., professor of human development, has been invited to serve on the Committee on Building a Commitment to Strong Families for the National Commission on Children.

David Hall, instructor in agricultural and extension education, has been named to the board of directors of the national Future Farmers of America organization.

Robert E. Harkavy, professor of political science, served for one month as a visiting lecturer in the College of International Relations at Nihon University, Mishima, Japan. He spoke on various aspects of U.S. foreign policy, U.S. national security policy, and international relations theory.

William J. Kraemer, associate professor of applied physiology and director of research in the Center for Sports Medicine, has received the National Strength and Conditioning Association's highest scientific honor, the "Outstanding Sport Scientist Award," for his scientific contributions to the strength and conditioning field.

Frances E. Lockwood, adjunct professor of chemical engineering and vice president for physical sciences for Pennzoil Products, Technology Division, has received the Upward Mobility Award from the Society of Women Engineers for her outstanding contributions in engineering and technical management.

Harvey B. Manbeck, professor of agricultural engineering, has been elected a Fellow of the American Society of Agricultural Engineers.

C. Russell Philbrick, professor of electrical engineering, has received a $340,551 award from the U.S. Department of Energy for purchase of a LIDAR and RADAR Sounder (LARS) instrument. The award was made under the D.O.E.'s University Research Instrumentation Program, aimed at strengthening the ability of colleges and universities to conduct long-range, energy-related research, and to help alleviate a shortage of research equipment in colleges and universities.

Vladimir S. Stublican, professor of materials science and engineering, participated in the Royal Society of Chemistry discussion on "Defect Processes in Transition Metal Oxides" in Oxford, England. While there, he presented a seminar on "Transport Phenomena on Ionic Surfaces" at Mansfield College.

Paul B. Welsz, adjunct professor of chemical engineering and retired senior scientist for Mobil Corporation, has received the National Medal of Technology from President Bush.

Paul J. Wuest, professor of plant pathology and extension mushroom specialist, has been elected to the governing council of the International Society for Mushroom Science (ISMS).

Ugur Yucelt, associate professor of marketing at Penn State Harrisburg, has been invited as a visiting scholar to the Middle East Technical University in Ankara, Turkey, under the United Nations' Development Program and Transfer of Knowledge through Expatriate Nationals.

Vladimir M. Zatsiorsky, visiting professor in the Biomechanics Laboratory, has received the Geoffrey Dyson Award from the International Society of Biomechanics in Sport. In conjunction with the award, the society's highest honor, he gave a lecture, "Biomechanical Basis of Strength Conditioning," at the Tenth International Symposium of Biomechanics in Sport in Milan, Italy.

FROM THE TRUSTEES DOCKET

Plans for several projects get the nod

The Board of Trustees has approved final plans for the new Academic/Athletic Convocation and Events Center to be built at University Park. The plans were submitted to the University by the joint venture of Haas/Rosser Fabrap/Brinjac Kambic, project architects.

"The design is progressing exceedingly well and on schedule," James M. Wagner, vice president for business and operations, said. "Initial site construction could begin as early as October, with completion scheduled for the end of 1994."

In order to maintain the established schedule, the work has been split into two phases, according to Mr. Wagner.

"Phase one should begin this fall and includes excavation of the building site and relocation of existing sewer lines and a steam line," he noted. "Phase two, the actual construction of the building, is scheduled to start in May 1993."

Mr. Wagner said a major challenge to the architects was to design a structure that would be compatible with the physical character of the campus. The lower areas will be constructed with a brick face, for example, similar to other brick-faced buildings in the area. In addition, the design takes advantage of the sloping terrain to reduce the magnitude of the building.

The structure will be organized on four main levels. The lowest, the events level, will contain locker and dressing rooms, practice gyms, truck entries and various service areas. Above this is the mezzanine level, with pedestrian access from the west and east sides. Administrative and athletic offices, training rooms, Hall of Fame and Founders Room will be located here.

The concourse level will be the primary public access level. It will include ticket offices, concession areas and access to the main spectator seating. The balcony level above will provide additional seating.

The Convocation Center will measure 390 feet by 490 feet and will have a 15,000-seat events arena. It will be used for a variety of activities, including commencements, academic and professional conferences, athletics, trade shows and cultural and entertainment events.

The project is being financed with a $33.8 million state appropriation with about $20 million in private gifts raised by the University. Construction is being administered by the state Department of General Services.

The Trustees approved final plans for the three University projects shown here in artists' renderings. They are, from top to bottom, the Parking Terrace at University Park, the operating room suite at the Milton S. Hershey Medical Center, and the Convocation Center at University Park.

In other action, Trustees:

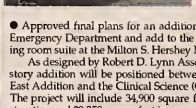
● Approved final plans and the authorization to award contracts for an addition to the Parking Terrace at University Park.

The Parking Terrace between Kern Building and the Keller Conference Center was built in 1989 and currently accommodates 293 cars. The addition would increase the total parking spaces available on the site by approximately 350 cars. These spaces are required to replace the parking spaces that have been or will be lost to building construction in the northwest sector of campus.

"With the addition to the Nittany Lion Inn and the construction of the Mateer Building, parking has grown tighter in the northwest area of campus," Mr. Wagner said. "We also expect to lose additional parking spaces when the additions to the Music Building and Pattee Library are constructed." The new addition will replace the front part of the existing terrace, but during the construction, a section will remain open for parking with the help of temporary ramps.

"The design is aimed at blending harmoniously with the surrounding academic buildings by using brick and concrete," Mr. Wagner noted. "Plus, we will be able to convert paved areas into green, landscaped areas on the north side as well as the west side. A walkway will connect Keller Building with Carpenter, Kern and other sites."

Designed by the Office of Physical Plant, the total project cost is estimated at $6.5 million.



● Approved final plans for an addition to relocate the Emergency Department and add to the existing operating room suite at the Milton S. Hershey Medical Center.

As designed by Robert D. Lynn Associates, the two-story addition will be positioned between the Hospital East Addition and the Clinical Science (Crescent) Wing. The project will include 34,900 square feet in new construction and 20,250 square feet in renovated area.

New construction on the second floor will provide seven new surgical suites with attendant support facilities. Four existing surgical suites also will be upgraded to give a total of 11 new state-of-the-art surgical suites.

The project will relocate the Emergency Department to the first floor following completion of the University Physicians Center addition now under construction. New construction on the first floor will allow for future growth.

The Trustee's action also authorized the University to obtain bids and award contracts for the project at a cost not to exceed $16.9 million from borrowed funds to be repaid by revenues generated by the Medical Center.

Changes in majors and programs noted

The Board of Trustees has reviewed two new undergraduate majors and changes in several other programs.

In the College of Agricultural Sciences, the turfgrass science major will prepare students for occupations in golf course maintenance; professional lawn care; grounds maintenance; sod production, sales and service, and athletic field maintenance. The bachelor of science degree in turfgrass science will require a minimum of 128 credits.

A new musical arts major will be available in the College of Arts and Architecture. This interdisciplinary major will train students for careers in performance, while developing a secondary area of emphasis outside of music.

Trustees also reviewed changes in the following undergraduate programs:

— The name of the forest products major in the College of Agricultural Sciences has been changed to wood products.

— A new minor has been established in wood products marketing.

— Two new options have been created: wood products business and marketing, and wood products processing and manufacturing.

— Two new options have been added to the major in agricultural education: environmental science and production.

— The associate in engineering technology degree in microcomputer engineering technology will now be known as the associate in engineering technology degree in computer engineering technology.

— In the College of Liberal Arts, two options in the geography major will be eliminated due to low enrollment: the option in economic and development geography and the option in general.

— In the Eberly College of Science, a new minor has been established in natural science. The natural science minor is interdepartmental and is tailored for non-science students who desire a better appreciation of science and the scientific method.

Construction of coal research facility approved

The Board of Trustees has announced the construction of a Coal Micronization Research Facility adjacent to the East Campus Heating Plant at University Park.

The approximately 1,000-square foot structure will house coal slurry mixing equipment to prepare fuel for Penn State's coal-water slurry demonstration project. Researchers currently are obtaining fuel by purchasing Pennsylvania coal, having it crushed and mixed into coal-water slurry to specifications.

The new facility will allow the researchers to mix their own fuel and to experiment with the slurry making process and formulation, according to **Bruce G. Miller**, associate director of the Combustion Laboratory.

The coal-water slurry demonstration project is using an off-the-shelf boiler originally designed to burn oil to produce 15,000 pounds per hour of steam which is fed into the university's heating system. The boiler has been adapted with a special burner to burn coal-water slurry, a bag house to capture ash and recirculation pumps on the fuel storage tanks.

One reason Penn State is making its own slurry is to promote the commercial availability of coal-slurry fuels. In the past, many fuel formulations have been proprietary.

"Most industrial users are not confident that their oil or gas boilers can be made to accommodate coal-water slurry," **Alan W. Scaroni**, director of the Combustion Laboratory and associate professor of fuel science, said. "The demonstration project will show that, with minimum alterations, these boilers can burn coal-water slurry fuel."

FROM THE TRUSTEES DOCKET

Penn State Erie purchases building for day care facility

This former Tupperware plant has been purchased by the University and will serve as a day care center for faculty, staff and students of Penn State Erie, The Behrend College.

The Board of Trustees has approved the purchase of a facility to be used as a day care center serving the faculty, staff and students of Penn State Erie, The Behrend College.

The facility is a one-story building with attached office located at 5630 Station Road, about two-thirds of a mile from the Behrend College campus. The 12-year-old structure totals 12,800 square feet on a 5.59-acre site and can easily be converted to accommodate up to about 100 children and staff.

The purchase of the facility comes at the recommendation of the University Child Care Task Force. A needs assessment by the task force indicates that with both commuting and residential students, as well as faculty and staff, a significant child care need exists at Penn State Behrend. Since available space on campus is limited, it was deemed necessary to provide nearby, usable space for the needed child care endeavor.

With the addition of the Penn State Behrend facility, the Penn State system will have a total of eight day care programs available at various locations — some run by the University and others run by independent operators. Included in the total are three on-campus programs at University Park, a planned off-campus program at St. Paul's United Methodist Church in State College, and programs at Penn State Harrisburg, Penn State New Kensington, and the Hershey Medical Center.

Also, for the first time, a three-week summer camp will be held at University Park Aug. 17-Sept. 8 to cover the gap between the beginning of the University's fall semester and the start of the local school year. The camp will be open to the children of University faculty, staff and students and run by the Office of Human Resources, Child Care Program Services.

Child Care at Penn State

With the addition of the Penn State Behrend facility, the Penn State system will have a total of eight day care programs, they include:

- **Four at University Park**
- **One at Penn State Harrisburg**
- **One at Penn State New Kensington**
- **One at Hershey Medical Center**
- **One at Penn State Erie - The Behrend College**

CES refocuses mission to meet regional needs

The Commonwealth Educational System will refocus its mission to more directly meet regional educational needs, the Board of Trustees has learned.

"We must be more focused, but must not limit campuses to the old paradigm of being mostly first two-year feeder units," **Robert Dunham**, senior vice president and dean of the Commonwealth Educational System, said. "With the increase of location-bound students and the desires and needs of some colleges to utilize the campuses in different ways, we need to develop new paradigms that are suited for this decade and beyond."

Discussions with academic deans have produced some exciting opportunities, he noted. For example, in collaboration with the College of Engineering, four campuses could be designated as Technology Centers and would offer upper-level engineering courses, as well as be active in technology transfer with area industries and businesses.

In addition, the College of Education is developing a program in urban education and hopes to deliver it, in part, in Pittsburgh and Philadelphia.

"We can relieve some of the enrollment pressures at University Park by shifting some upper-level students to the campuses," Dr. Dunham noted. "By incorporating such changes in the mission and the student population, we can improve the quality of the educational experience for students and faculty."

Another short-term goal is to provide equitable campus budgets, initially focusing on efficiency and looking at ways to add quality factors, according to the CES administrator. Regional collaboration will continue to be emphasized with the possibility of regional administration in some areas of the Commonwealth.

In order to align the campuses more closely with University Park, each major Universitywide officer will have a staff member who works up to full-time with CES and serves as a member of Dr. Dunham's central staff as well.

"Despite the many opportunities, there are some concerns," Dr. Dunham said. "With budget cuts, there will be pressure to increase the already heavy teaching loads of campus faculty. Teaching is an important activity for them, but it is essential for faculty to continue their scholarship and research work if they are to stay current in their fields."

Other areas of concern are faculty development and scholarly support, telecommunication needs, and "life-cycle funding" for equipment.

The CES includes 17 campuses and the Great Valley Graduate Center, totaling approximately 24,000 students, 850 faculty and 1,100 staff.

BOOKSHELF

Robert Lima, professor of Spanish and comparative literature and Fellow of the Institute for the Arts and Humanistic Studies, is the author of *MAYALAND*, a new book of poetry, published by Editorial Betania, of Madrid, Spain.

MAYALAND is a collection of poems in English and Spanish which Dr. Lima has written about temples, artifacts and myths of the Maya, whose civilization disappeared in pre-Hispanic antiquity.

John A. Lucas, professor of exercise and sport science, is the author of *Future of the Olympic Games*, published by Human Kinetics Books, Champaign, Ill.

The book provides an in-depth international perspective to the history and future of the world's biggest athletic gathering.

"Quality athletic performance from top to bottom is even more important than getting athletes from all 168 nations to the summer Olympic Games," Dr. Lucas says. "No athlete who is not among the top 100 performers in the world for their sport should be allowed to participate in a summer event."

In *Future of the Olympic Games*, he recommends that a subcommittee of the International Olympic Committee (IOC) be created and charged with writing a contingency plan for a "Permanent Site for the Winter and Summer Olympic Games."

Dr. Lucas also urges the IOC to:

— Eliminate the playing of the national anthems of victorious athletes throughout the competitions to reduce nationalistic excess.

— Withdraw all forms of testing and surveillance, and eliminate punishment for the use of chemical substances by athletes.

— Pursue full and equal opportunity for women and both athletes and administrators.

Dr. Lucas also is the author of The Modern Olympic Games and 175 articles on the Games. He has developed, at Penn State, the first graduate course on the history and philosophy of the Olympic Movement.

He has attended each summer Olympic Games since 1960 as a coach, journalist, or historian. His involvement with the games began in 1952 when he ran the 10,000 meters in the U.S. Olympic Trials, just missing a spot on the team.

Richard St. Pierre, professor and head of health education, and **James D. Porterfield**, instructor in the Division of Continuing Education, are co-authors of *Healthful Aging* published by Dushkin Publishing Group, Inc.

The book is the newest in a wellness series designed to provide personal health information to lay people. *Healthful Aging* explains the aging process and explores ways that it can be managed, with special attention given to physical fitness, nutrition, and stress management. Topics include an introduction to the aging process, aging and its physical and mental consequences, influencing the aging process, and a plan of action.

The arts on Channel 3

Two of pop music's true giants—singer extraordinaire Tony Bennett and pianist/composer Michel Legrand—team up for a memorable night of music Sunday, July 26, at 8 p.m. on Evening at Pops on WPSX-TV.

Bennett, in the company of longtime accompanist and musical alter ego Ralph Sharon and his trio, performs a medley of his hits, including "I Left My Heart in San Francisco" and "When Do the Bells Ring?" Legrand, who won an Academy Award for his score for the 1964 film, "The Umbrellas of Cherbourg," plays his "Yentl Suite for Piano and Orchestra." Bennett and Legrand join forces for several of Legrand's greatest hits, including "How Do You Keep the Music Playing?"

Championship Ballroom Dancing, airing Wednesday, July 29, at 10 p.m., features the dramatic finals of the international modern and Latin competitions, as well as winners in other competitive categories. Outstanding exhibition performances round out the evening's entertainment.

This dazzling presentation of top ballroom dancers was taped at the Hyatt Regency Hotel in Columbus, Ohio, and hosted by singer, actress and dancer Juliet Prowse.

Print display

Four new prints are on display in the LIAS Catalog Room in Pattee Library at University Park.

The black and white etching titled "Snow Fence" is by Genevieve Roberts who began her art career in Colorado. Ms. Roberts has won many awards for her works, which can be found in private and public collections in the United States and abroad.

Betty McDonald's etching "Celebration I" is a playful and intricate work. Ms. McDonald's prize-winning prints are in many collections, including those of the Library of Congress and the Museum of Women in the Arts.

The aquatint, "Mother with Blanket," is by George Chung. His print includes etched lines that resemble the lines of a woodcut. The layering of colors creates the print's rich, original colors. The fourth print, by Jennifer Berninger and titled "Gate XXI," is a monoprint collage. In this piece, subtle colors and rectangular shapes are combined with pieces of material and painted lines and squiggles.

Pochoir exhibit

The Rare Books Room in Pattee Library at University Park is exhibiting its collection of books illustrated by a technique called pochoir through Aug. 14.

Pochoir, the French word for stencil, became the major printmaking process for artists of the Art Deco period. Coloring through stencils is an old and established method used from the earliest days of printing for book illustrations and playing cards. But, the artistic high point of the stencil was reached in the first three decades of the 20th century in France.

The University Libraries owns many examples of pochoir illustrations, including books by the French illustrators Paul Poiret and Edy Legrand. There are many volumes representing the work of the Curwen Press of London, as well as the Trianon Press of Paris, most famous for its series of William Blake facsimiles.

The Rare Books Room is using the occasion of this exhibit to honor the Press of Appletree Alley in Lewisburg, PA which is celebrating its tenth anniversary. The Press recently published a volume that contains pochoir illustrations by Washington artist Stephen Kraft. On display will be the stencils and plates used in producing these illustrations.

Kern exhibit

An exhibit by the Nittany Valley Chapter of the Embroiderers' Guild of America is on display at the Kern Building Galleries at University Park through July 30.

The exhibit includes examples of quilting and applique; crewel embroidery; silk and metal on fabric; silk and metal on canvas; canvas embroidery, and counted thread techniques.

THE ARTS AT . . .

Beaver Campus

The Center Theatre Company will present the musical "The Mystery of Edwin Drood" on Friday, July 24, and Saturday, July 25, at the Brodhead Cultural Center's outdoor J.P. Giusti amphitheater at the Penn State Beaver Campus. Performances begin at 8 p.m.

"The Mystery of Edwin Drood," the Tony Award-winning musical written by popular artist and composer Rupert Holmes, is loosely based on the final work of Charles Dickens. Audience participation is key to discovering the answer to the unraveling mystery. The audience votes each night to determine the ending of the musical, thus, the musical may have a different ending each time it is presented.

Rain dates for the play are July 26 and July 27. Tickets for "The Mystery of Edwin Drood" are $5. For more information about the show or for a complete schedule of summer events, call the Brodhead Cultural Center at 773-3600.

Final episode of archaeological series to air July 29

"The Collapse," the eighth and final episode of "Out of the Past," will be shown July 29 in Schwab Auditorium at 7 p.m. A presentation by **William T. Sanders**, Evan Pugh Professor of anthropology, and **David Webster**, professor of anthropology, will follow.

Archaeological excavations frequently uncover the remains of civilizations that have long disappeared and may only be the stuff of legends.

"The Collapse bridges the past and the present," said Dr. Sanders. "Although we look at the demise of places like Sumeria, Rome and Copan, the mechanisms behind the fall of these civilizations are read in today's headlines and include environmental change, drought and overpopulation."

William T. Sanders (left) and David Webster

Photo: Greg Grieco

"Out of the Past" was produced by Drs. Sanders and Webster, in conjunction with WQED-TV Pittsburgh, and Cambridge Studios, Boston. Major funding was by the Annenberg/CPB Project, with additional funding from the Media Program of the National Endowment for the Humanities, the National Science Foundation and Penn State University. Public Broadcasting System airing is scheduled for Spring 1993.

Dr. Sanders' research centers on Mesoamerica where he has worked in the Valley of Mexico, Guatemalan highlands and Honduras. His research focuses on an analysis of cultural change through information from the environment, subsistence patterns of human populations, demography, technological innovation and social organization as an interacting whole.

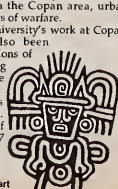
He advocates approaching archaeology as a true science that uses theory development and testable hypotheses to interpret cultures.

A member of the National Academy of Sciences, Dr. Sanders received his B.S., M.A. and Ph.D. in anthropology from Harvard University. He joined Penn State in 1959 and became an Evan Pugh Professor in 1985.

Dr. Webster's research also focuses on Mesoamerica, specifically Copan, Honduras, and includes work on elite families and their compounds, population, the collapse of Classic Mayan civilization in the Copan area, urban structure and the effects of warfare.

As part of the University's work at Copan, Dr. Webster has also been involved with excavations of rural areas, including small house sites of the general population.

He received his B.A., M.A. and Ph.D. from the University of Minnesota in 1965, 1967 and 1972, respectively.



Mesoamerican art

University Park Calendar

July 23 July 31

Special Events

Thursday, July 23

Symposium in Molecular Biology, through July 25. Keynote address, 2 p.m., Schwab Aud. Philip A. Sharp, Massachusetts Institute of Technology, on "Regulation of Genes in Mammalian Cells." Sessions: "Signal Transduction," "Gene Regulation," "Cell Cycle" and "Cellular Differentiation." Register, Patricia Phillips, 863-3650; or July 23, 9 a.m.-1 p.m., Schwab Aud.

"Diversions," noon, Fisher Plaza. Passport.

Friday, July 24

Symposium, 8:45 a.m.-12:15 p.m., 110 Wartik Lab. "Sensory Perceptions and Dietary Intake in the Elderly." Sensory and dietary tests, 1-6 p.m., 120C Borland Lab. Also July 27, 9 a.m.-5 p.m., 120C Borland Lab.

■ Ice Cream "Diversions," 7-8 p.m., Creamery/Pavilion. World Famous Little German Band.

Saturday, July 25

Shaver's Creek, 8-9:30 p.m., Bats: The Reality Behind the Myth. Call 863-2000.

Monday, July 27

pGerman film, 8 p.m., 108 Wartik. Ein Kafer auf Extratour (VW Bug on Special Mission, 1973).

Tuesday, July 28

"Diversions," noon, Fisher Plaza. Richard Victor Quintet.

Wednesday, July 29

"Out of the Past," 7-9 p.m., Schwab Aud. William Sanders and David Webster on "The Collapse."

Film, dusk, HUB lawn. Back to the Future III. (Rain location: 9 p.m., HUB Assembly Room).

Thursday, July 30

"Diversions," noon, Fisher Plaza. Andrew Jackson.

Friday, July 31

Ice Cream "Diversions," 7-8 p.m., Creamery/Pavilion. Richard Victor Quintet.

Saturday, Aug. 1

Shaver's Creek, 11-4 p.m., Artist in Action. Call 863-2000.

Monday, Aug. 3

■ Public Lecture, 1:30 p.m., Penn State Room, Nittany Lion Inn. Hon. Kim C. Beazley, Minister of Employment Education and Training, Australia, on "Education in Australia," "National Developments in Curriculum," and "Testing of Educational Achievement."

■ German film, 8 p.m., 108 Wartik. Nachtschalten (Nightshade, 1971).

Tuesday, Aug. 4

Classes end (6 and 8-week sessions).

"Diversions," noon, Fisher Plaza. Passport.

Thursday, Aug. 6

"Diversions," noon, Fisher Plaza. Andrew Jackson.

Sunday, Aug. 9

Shaver's Creek, 8:30-10:30 p.m., Summer Stargazing III. (Cloud Date: Monday, Aug. 10). Call 863-2000.

"Ain't Misbehavin'," the spectacular musical revue that pays homage to Fats Waller, shown here played by James Alexander, runs through Aug. 1 at the Pavilion Theatre at University Park. For more information on times and tickets, contact Eisenhower Auditorium Ticket Center at 863-0255.

Public Radio

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Conferences

July 23-25. The Society for Organic Petrology; 50 attendees; North Halls; Alan Davis, chair; Jack Sinclair, coordinator.

July 23-25 Eleventh Summer Symposium in Molecular Biology; 250 attendees; North Halls; K. Rashid, chair; Chuck Herd, coordinator.

July 23-26. Applied Sport Psychology for Coaches; 20 attendees; Jerri Milsom, coordinator.

pJuly 24-Aug. 20 Japanese Summer Study in America Program; 40 attendees; Pollock Commons; Masume Assal, chair; Roger Maclean, coordinator.

July 26-31. High School Publications Workshop; 145 attendees; East Halls; John Rippey, chair; Bill Sterner, coordinator.

July 26-31. Second Mile Summer Challenge for Boys; 70 attendees; East Halls; K. Bernecker, chair; Jerri Milsom, coordinator.

July 26-Aug. 1. Elderhostel V; 45 attendees; Runkle Hall; Roger Maclean, coordinator.

July 27-31. Curriculum and Evaluation in Preschool; 10 attendees; North Halls; Donna Ricketts, coordinator.

July 27-31. Helicopter and VISto! Technology Short Course; 20 attendees; Nittany Lion Inn; Barnes McCormick, chair; Jerri Milsom, coordinator.

July 27-31. Central Boiler Plant Operation; 38 attendees; Nittany Apts.; James Myers, chair; Barb Impelliteri, coordinator.

Aug. 2-7. Credit Union Management Institute; 120 attendees; North Halls; Shirley Hendrick, chair; Barb Impelliteri, coordinator.

Aug. 2-8. Elderhostel Program; 45 attendees; Runkel Hall; Roger Maclean, coordinator.

Aug. 3-5. Summer Institute on Adult Learning Disabilities; 90 attendees; Warnock Commons; Jovita Ross-Gordon, chair; Chuck Herd, coordinator.

Aug. 3-5. Water Works Operators Association of Pa.; 270 attendees; Area Hotels/Motels; Eric Loop, coordinator.

Aug. 3-7. Incorporating Computers in the Home Economics Curriculum; 10 attendees; Nittany Budget; Donna Ricketts, coordinator.

Aug. 3-7. Boiler/HVAC Water Treatment; 35 attendees; Nittany Apts.; James Tomlinson, chair; Roger Maclean, coordinator.

Aug. 4-8 IGU Pre-Congress Commission on Climatology; 50 attendees; North Halls, Nittany Lion Inn; D. Liverman, chair; Kathy Kirchner, coordinator.

Aug. 5-6. Park Maintenance Institute; 75 attendees; North Halls; Bob Griffith, chair; Bill Sterner, coordinator.

Aug. 5-7 Wastewater Treatment Operators Short Course; 70 attendees; North Halls, Hampton Inn; Eric Loop, coordinator.

Aug. 6-8 Transportation Research Board; 65 attendees; Nittany Lion Inn; Michael Patten, chair; Chuck Herd, coordinator.

Aug. 6-8. Pa. Christmas Tree Growers Assoc.; 400 attendees; Days Inn; J. Finley, chair; M. Johnston, coordinator.

Seminars

Thursday, July 23

Talk, 4 p.m., Fireside Lounge, Nittany Lion Inn. Linda Maxson on "Leapfrogging Among the Amphibia." Reception 3:30 p.m.

Thursday, July 30

Talk, 4 p.m., Fireside Lounge, Nittany Lion Inn. Frederick Williams on "Impact Assessment of the Release of Genetically Engineered Organisms into the Environment." Reception, 3:30 p.m.

Exhibits

Hetzel Union Art Galleries:

Formal Gallery, Browsing Gallery:
Central PA Festival of the Arts: Mixed Media, through July 31.

Art Alley Panels:
Joe Bazerque, drawings, through Aug. 2.

Kern Graduate Commons
Embroiderers' Guild of America: Nittany Valley Chapter, through July 31.

Pattee Library

East Corridor Gallery:
Annette McHugh, "Abstractions," an exhibition of works done in acrylic, charcoal, and watercolor, through July 31.

Lending Services Gallery:
Bonnie Irish, prints and paintings, through July 31.

Rare Books Room:
Pochoir: Color Illustration by Stencil, through Aug. 14.

West Lobby Gallery:
School of Visual Arts, Advanced Drawing 320 course students, fine art computer drawings, through July 31.

Rare Books Room:
Pochoir: Color Illustration by Stencil, through Aug. 31.

Zoller Gallery
Crafts National 26, a juried exhibition of contemporary crafts, through July 26.

■ Reflects an international perspective

Eight faculty members receive research funding

Eight University faculty members have received funding for research projects through the Penn State Fund for Research.

The fund was created by President Thomas to recognize research activities of tenure-track faculty members who have greater teaching responsibilities. Awards from the fund are intended to complement and extend the resource base available to individual faculty members to carry on meaningful scholarly projects.

Research fund recipients and their projects are:

— **Maureen A. Carr**, professor of music, College of Arts and Architecture, "Stravinsky's Journey to Orpheus."

— **James R. DeTuerk**, associate professor of landscape architecture, College of Arts and Architecture, "Chatham Village: A Comprehensive History of an Economic and Social Demonstration Project of a Planned Garden Homes Community."

— **Renata S. Engel**, assistant professor of engineering graphics and engineering science and mechanics, College of Engineering, "Fiber Heating Study."

— **William J. Kelly**, associate professor of theatre and integrative arts, College of Arts and Architecture, a proposal to develop a new course, "The Popular Arts in America: Popular Music," that is designed specifically for the use of multimedia, produced without external support and delivered in both resident instruction and distance education versions.

— **Helen A. Manfull**, professor of theatre arts, College of Arts and Architecture, "LeGallienne's Daughters: Women Directors in England and America."

— **Thomas McGovern**, assistant professor of art, College of Arts and Architecture, "Measure and Experience: A Sculpture Installation."

— **Dhushy Sathianathan**, assistant professor of engineering graphics, College of Engineering, "Visualizing Shock Waves in Gases Through Metal Walls—A New Technique Using Neutron Radiography."

— **Louis Winkler**, assistant professor of astronomy, College of Science, archaeoastronomy field trip to Ohio.

Promotions

Cooperative Extension

The following promotions for staff members in Penn State Cooperative Extension in the College of Agricultural Sciences are effective July 1.

To Senior Extension Agent

David N. Kinsey
Ruth Anne Mears
Alan H. Michael

To Extension Agent

Gregory K. Burns
Norman G. Conrad
Phillip T. Durst
James J. Grippo
William G. Pencek
Lehan R. Power
Roxanne F. Price
Bruce A. Richards
David L. Swartz

To Associate Extension Agent

Deborah A. Dietrich
Rebecca A. Escott
Jeffrey T. Fowler
Timothy J. Fritz
Patricia A. Gordon
Martha R. Gregory
David W. Hartman
William R. Hosler
Bruce M. Loyd
David J. Quatchak
Patrick O. Richie
Helen C. Riley
Janice E. Stoudnour
Eric D. Vorodi

Research

The Office of the Senior Vice President for Research and Dean of the Graduate School has announced the following promotions for the 1991-93 fiscal year:

To Senior Research Associate

Clive A. Randall, Materials Research Laboratory
Robert J. Vance, Center for Applied Behavioral Sciences

To Research Associate

Mary Lou Eskew, Environmental Resources Research Institute

To Research Engineer

Mark W. McBride, Applied Research Laboratory
Allen L. Treaster, Applied Research Laboratory

To Associate Research Engineer

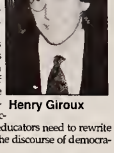
Gail A. Hudson, Applied Research Laboratory

College of Education

Distinguished Lecture Series to begin July 30

A Distinguished Lecture Series in Education titled "Equity, Diversity, and Social Justice," was recently announced and is designed to raise the level of consciousness within the University community regarding these values, particularly within education.

Four distinguished scholars are scheduled to speak at University Park, including **Henry Giroux**, Waterbury Professor of Secondary Education at Penn State; **K. Patricia Cross**, Conner Professor of Education at the University of California at Berkeley; **Constance Clayton**, executive director, Philadelphia School District; and **Henry Levin**, professor of education at Stanford University.


Henry Giroux

The inaugural lecture, given by Dr. Giroux, is scheduled for Thursday, July 30, at 6:45 p.m. in 101 Chambers Building. His presentation, titled "Educational Leadership in the Era of the Los Angeles Uprisings," will explore the hypothesis that the Los Angeles uprisings suggest not only a failure of educational leadership on the part of the current federal administration, but also the need to reclaim the long-standing legacy that celebrates the relationship among schooling, democracy, and public life. Dr. Giroux contends that educators need to rewrite the narrative of educational leadership around the discourse of democracy, cultural differences, and civic courage.

Dr. Giroux was named Waterbury Professor in 1992 after a national search. He was formerly Distinguished Professor of Educational Leadership at Miami University of Ohio, and is internationally recognized in the areas of curriculum theory, sociology of eduction, cultural studies, and the application of critical theory to education. He is the author of 16 books, three of which were named by the American Education Studies Association as the most significant books in education for the years 1989, 1988, and 1986.

News in Brief

Garlic and cholesterol study

The Nutrition Department is looking for 35 to 55-year-old men with high blood cholesterol levels (245-285mg/DL) and not on medication to participate in a four-month intervention study to investigate cholesterol-lowering effects of garlic.

The subjects will be required to take odorless garlic capsules or placebo for three-months and provide blood samples for analyses of total cholesterol, LDL-cholesterol, and HDL-cholesterol. The subjects also will provide food records for dietary assessment. At the conclusion of the study, the subjects will be provided with all blood test results as well as complete diet analyses.

If interested, please call **Robert Yeh** or **Shelley Evans** at 863-8109 for further information/interview.

Writing project gets grant

The Lehigh Valley Writing Project (LVWP), based at the Penn State Allentown Campus, has received a $10,616 grant from the National Writing Project in Berkeley, Calif., to assist in the training of local teachers.

Margaret Cote, LVWP director and associate dean for the Commonwealth Educational System in the College of the Liberal Arts said, "the intent of the Writing Project is to improve writing instruction in schools by training teachers to serve as writing teacher-trainers and consultants. The teachers then train other teachers to teach writing as a part of all subject areas and at all grade levels."

The Penn State Allentown Campus' Lehigh Valley Writing Project became a National Writing Project site in 1990. There are almost 200 National Writing Project sites in the United States and in several foreign countries.

Male subjects needed

The Center for Locomotion Studies needs volunteers for a research project that involves measuring the effects on walking, posture, and vision after drinking alcohol. Four males between the ages of 65 and 75 are still needed. Subjects must be non-smokers, in excellent health, and not taking any medications (exceptions include ASA, hormone replacements). Subjects should also have no history of alcohol/drug dependence. However, subjects who drink occasionally and do not abstain from alcohol are needed. All subjects must have a normal gait, (no difficulty walking).

Anyone interested in participating should contact **Mary Becker** at 865-1972.

Child care

Three important new services are available to University Park parents who require flexibility in arranging child care. They include:

● *Extended Summer Camp Program for School-Agers*

This program accommodates the disparity between the University' schedule and the public school's start-up date.
Available: Week I: Aug. 17-21
Week II: Aug. 24-28
Week III: Aug. 31 - Sept. 4
Location: University Park Campus
Ages: 6 - 13 years old
Hours: 7:45 a.m. - 5:15 p.m.
Cost: $50/child/week

● *Penn State Day Care Center at St. Paul's*
Available: Beginning Aug. 24, M-F
Type of care: Full-time, part-time, and scheduled drop-ins.
Location: St. Paul's United Methodist Church, Education Building, 127 McAllister Street.
Ages: Infants, toddlers and preschoolers
Hours: 7 a.m. - 6 p.m.
Cost: Based on scheduled need and income

● *Evening Child Care Services - "Fun on the Run"*
Available: 1992 fall semester, M-F evenings
Location: Cedar Building
Ages: 2 through 12 years old
Hours: 6-9 p.m.
Cost: Students - $1/hour/child; faculty and staff - $2/hour/child

Road closing

A major section of Pollock Road is closed for the next two months for the installation of telecommunication lines and electrical duct banks that will provide service to the expansion of West Campus.

The construction is taking place on Pollock Road between North Atherton Street and Grange Building. No through traffic is permitted, but limited access to University buildings and parking lots off Pollock Road is available.

Weekend program for couples

The Individual and Family Consultation Center is offering a 'couples' weekend enrichment program Aug. 8 and 9 at University Park Campus.

The program, called "Relationship Enrichment," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs and opinion.

Anyone involved in a committed relationship is welcome and couples are encouraged to attend together. For more information on cost or to enroll, call the Individual and Family Consultation Center at 865-1751.

Obituaries

Lawrence A. Ezard, retired associate professor of engineering and chair of the engineering graduate program at Penn State Harrisburg, died June 15. He was 59.

He held a B.S. in electrical engineering from Penn State, an M.S. in physics from Franklin and Marshall College and a Ph.D. in electrical engineering from the University of Pennsylvania.

Dr. Ezard joined the College faculty Sept. 1, 1971, and retired Dec. 31, 1991. Prior to joining the College, he spent 11 years at the RCA Corporation in Lancaster.

Elizabeth J. Houser, applications programmer/analyst, Corporate Controller's Office, since Feb. 26, 1968, died June 19 at the age of 52.

Margot A. Landis, poison information specialist, Hershey Medical Center, since July 22, 1991, died June 26. She was 49.

James J. McMenamin, maintenance worker, utility, Penn State Great Valley, from Oct. 2, 1978, until his retirement Jan. 1, 1992, died June 22. He was 69.

Jule I. Reinwand, secretary B, Continuing Education, from July 1, 1938, until her retirement Feb. 19, 1971, died June 15 at the age of 83.

Study reveals importance of stroke length to swimming speed

The length of a competitive swimmer's stroke may be as important as the frequency of the stroke in determining winners, according to University researchers.

"A fundamental question in the sport of swimming is why some athletes are able to cover a given distance in less time," noted . **Richard C. Nelson**, professor of biomechanics in the College of Health and Human Development. "Our study of Olympic swimmers suggests a greater stroke length may be the dominant trait of the fastest swimmers."

> ***"Our study of Olympic swimmers suggests a greater stroke length may be the dominant trait of the fastest swimmers."***
>
> Richard C. Nelson
> biomechanics
> professor

The finding comes from computer-aided video tape analysis of nearly 500 swimmers at the 1988 Summer Olympics in Seoul. Dr. Nelson, chair of the department of exercise and sport science and director of the Biomechanics Laboratory, coordinated the project.

Conducting the pilot study with Dr. Nelson was Penn State swimming coach **Peter L. Brown** and graduate students **Patrick W. Kennedy** and **Somadeepti N. Chengalur**. Chengalur presented some of the team's findings at the Second International Olympic Committee World Congress on Sport Sciences, held in Barcelona, Spain, last October.

This year, Dr. Nelson and Mr. Brown are coordinating an international swimming analysis project at the Summer Olympic Games in Barcelona, Spain.

"What we have found so far is that the faster a swimmer performed within a given event, the longer his or her swimming strokes were, to a significant degree," Dr. Nelson said. "But the interaction of swimmers' stroke lengths with their stroke rates, heights and ages is complex and every factor holds its own importance."

Still, there is good reason to highlight the effect of stroke length on speed in the water, the researchers said. Although men and women competing in the same event had stroke rates that were very similar, the men's stroke lengths were consistently greater, and their finish times faster, than the women's.

For instance, men had an average 9.7 percent greater stroke length and a 10.6 percent faster finish time than women across the 100-meter freestyle events. In the 200-meter events, men were on average 9.5 percent faster with a 13 percent greater stroke length.

"The findings seem to indicate that training should focus on the establishment of a maximum stroke length, provided the stroke rate is within an acceptable range," Dr. Nelson said.

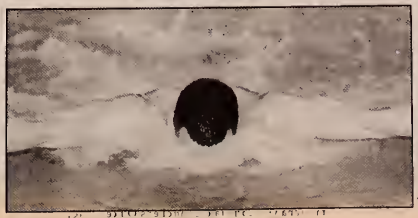
"One way to increase stroke length might be to increase body strength," he added. "Strength development can come from isokinetic work, weight training, or resistance work in the water."

Stroke length may also be improved through attention to stroke technique — especially the proper axial rotation and arm-hand extensions for the different types of strokes. Finally, properly conditioned kicks may allow swimmers to better maintain stroke length, thereby increasing average length over the course of a race, Dr. Nelson noted.

The Penn State project was the first substantial examination of swimming competition at an Olympic Games. Data from the study are available from the University through the IOC.

Future University research will focus on data from the 200- and 400-meter individual medley events, the 4x100 freestyle relays, and the remaining relay events filmed at the 1988 Games. The collected tapes are part of a film library devoted to the biomechanics of Olympic athletics, which is based at Penn State.

-- Gary W. Cramer



Richard C. Nelson (above) studies the moment-by-moment swimming strokes of Olympic swimmers on a computer-aided video tape from the 1988 Games in Seoul. In the other two photos, swimmers show off their stroke techniques.

Photos: Greg Grieco

University personnel gear up for 1992 campaign

University Park employees will receive more information about area United Way agencies and be able to take advantage of a new program which will allow them to donate to non-United Way human care agencies in Centre County during the annual fall campaign.

Spearheaded by **James H. Ryan**, 1992 University Park campaign chair, and vice president for continuing education, the University Park campaign reaches some 10,000 employees. The coming year's campaign will include a number of new approaches in order to increase support in the University community. These approaches were planned by a steering committee made up of representatives from all colleges and administrative units, as well as retirees. An active student role has also been added to this year's efforts. Dr. Ryan strongly believes that information and involvement are critical factors in the campaign.

"We want to raise the awareness of the University community about how the United Way supports faculty, staff, and students, as well as others in the region," he said. "The campaign steering committee is creating a strategy that will help all of us have a better understanding of the essential role United Way plays in enhancing the quality of life for those with special challenges."

Steering committee members who have been meeting for several months with Dr. Ryan are:

William W. Asbury, vice president for Student Services; **Laura Bordas**, assistant to the dean, Administrative Services, College of Agricultural Sciences; **Rhonda Decker**, secretary, Religious Studies, College of the Liberal Arts; **Lisanne Farche**, student; **Chris Furlo**, student; **Carol German**, director of Student Organizations and Resource Center; **David P. Gold**, professor of geology, College of Earth and Mineral Sciences; **Lynne Goodstein**, director of Women's Studies Program; **Alan J. Grill**, assistant to the dean, College of Education; **Peggy Hoover**, secretary, College of Health and Human Development; **Gary Kelsey**, director of Minority Admissions and Community Affairs; **Theodore Kiffer**, associate dean emeritus, College of the Liberal Arts.

Holly Lewis, assistant professor, Smeal College of Business Administration; **George J. McMurtry**, associate dean for administration, College of Engineering; **Torre Meringolo**, assistant dean, University Libraries; **D. Lewis Mothersbaugh**, director, Business Services; **Ginny Newman**, special assistant to the dean, College of Health and Human Development; **Marc Osman**, student; **William Pegler**, student; **Robert Ricketts**, instructor, exercise and sports science, College of Health and Human Development; **Karen Rugh**, director of University Relations; **Daniel P. Saftig**, director of the Annual Fund; **Trudy Smith**, assistant to the dean, Human Resources, Smeal College of Business Administration; **Martha Starling**, director of development, College of Health and Human Development; **James Stephenson**, director, School of Visual Arts, College of Arts and Architecture; **Christine Templeton**, assistant to the dean for external relations, School of Communications; **James A. Winck**, coordinator, Record Office, College of the Liberal Arts; **Suzanne Wrye**, director, Health Care Program Development, Continuing Education.

United Way

A survey among Big Ten schools shows that Penn State's University Park Campus ranks near the bottom of its 10 sister schools in terms of United Way participation. Only 21.2 percent of the faculty and staff contribute to the campaign, a figure which Dr. Ryan believes can and must be improved. A major focus for the steering committee has been to explore ways to encourage higher levels of participation among all employee groups.

System-wide for more than 20 years, Penn State employees have been given the option of contributing to United Way through payroll deduction. Because United Way is based locally and serves the needs of people where they live, Penn Staters can contribute through payroll deduction to help their neighbors and to support services which they may someday need themselves. More than 70 percent of the United Way donations made by Penn Staters are through payroll deduction. Retirees and current employees at the University can also direct their gifts to United Ways in counties other than where they are employed.

In Centre County, Penn Staters and others have the following three options when designating gifts during the annual United Way campaign:

- United Way member agencies
- Specific United Way agency
- Non-United Way human care organization with a $50 minimum gift.

This is the first year that donors have been permitted to contribute to non-member agencies as a part of the United Way campaign.

Dr. Ryan hopes that the expanded donor option program and new approaches to the campaign will encourage greater participation and support. A kickoff is planned for late September, followed by an intensive campaign during October.

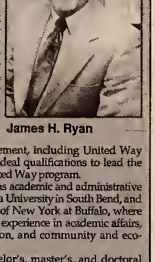
1992 campaign chair

Profile

James H. Ryan, vice president for continuing education, serves as chair of the 1992 University Park United Way campaign. He was vice chair of the annual fund-raising drive in 1991.

Dr. Ryan heads the 29-member United Way steering committee and is an advocate of an educational campaign about the importance of United Way support. He believes that in order to have a successful campaign, the fullest awareness, involvement and commitment on the part of all University employees is essential.

As vice president for continuing education, Dr. Ryan is responsible for one of the largest programs of its kind in the nation. He administers a diverse range of units which serve the academic colleges and enables Continuing Education to offer services worldwide.



James H. Ryan

Prior to being named to his present position, he served as the campus executive officer at Penn State Wilkes-Barre for nine years. His successful fund-raising programs at that campus and his community involvement, including United Way support, give him ideal qualifications to lead the University Park United Way program.

Dr. Ryan also has academic and administrative experience at Indiana University in South Bend, and the State University of New York at Buffalo, where he gained extensive experience in academic affairs, continuing education, and community and economic development.

He holds bachelor's, master's, and doctoral degrees from SUNY-Buffalo.

NCAA rates

Continued from Page 3

percent for Penn State men's basketball and 100 percent for women's basketball.

"In the case of men's basketball," Dr. Coyle noted, "all freshmen on athletic aid who played four years for Coach Bruce Parkhill have graduated. Obviously, based on the 100 percent figure, the same was true for women's basketball."

1991 NCAA Survey Results

The 1991 NCAA survey revealed that, for the two years included in the computation, 73 percent of Nittany Lion male student-athletes earned their degrees and Lady Lion team members did even better, graduating at a rate of 82 percent.

The NCAA study showed that the Penn State football team has a "refined" rate of 68 percent for the scholarship athletes in the entering classes of 1983-84. The men's basketball team logged a 78 percent refined figure and the women's basketball team 100 percent. Other Penn State refined graduation rates were 86 percent for baseball; 83 percent for men's cross country-track; 74 percent for men's "other sports"; 73 percent for women's cross country-track; and 82 percent for women's "other sports."

"Our 'refined' football graduation rate in the two years of the NCAA study is well below Penn State's rate of 90 percent over the last 20 years, and hopefully, this is a one-time aberration," Dr. Coyle said.

The average time to graduate for student-athletes who entered in 1983-84 and 1984-85 was 4.7 years. For all students in those entering classes, the average time to graduation was 4.4 years.

NCAA Announcement Imminent

The graduation rate legislation, which will lead to a general national release by the NCAA for all Division I institutions at the end of this month, was passed at the 1990 convention. The original report was due on Oct. 1 but an extension was extended to several institutions until Jan. 1.

The reporting will be extended to NCAA Division II and III institutions beginning in July of 1993.

"This is an important new disclosure in intercollegiate athletics," Dr. Coyle said. "It is certainly valuable information for a potential student-athlete trying to plot a future. We think the figures released today reflect Penn State's long-term commitment to the athletes who have chosen to come to University Park."

Dr. Coyle said the involvement of the University Faculty Senate Committee on Academic and Athletic Standards is reflected in the overall positive tone of the graduation rate studies. "For instance, we have had a satisfactory progress rule in place since 1960," he said, "and the Senate has been active in establishing policies that are more stringent than those imposed by the NCAA.

"Our aim is to constantly improve our performance in this vital measurement, while at the same time ensuring that the education we offer is meaningful and focused on providing the best post-graduate opportunities we can for the young people who participate in our intercollegiate program," Dr. Coyle said.

The NCAA faculty representative pointed out that data submitted to the NCAA was for the University Park Campus only and did not include Commonwealth Campuses throughout the Penn State system.

PRIVATE GIVING

Fund to honor Lion Ambassadors

The Division of Development and University Relations has established and endowed the Alumni Volunteer Scholarship fund to honor students who are active as Lion Ambassadors.

The Lion Ambassador program promotes Penn State pride among 100 student volunteers each year. Selected for the program through high grades and competitive tryouts, Lion Ambassadors are best known at University Park for their service as enthusiastic tour guides in Old Main, reaching about 10,000 visitors annually. Lion Ambassadors also serve as hosts and hostesses at various University functions at all campuses.

The $15,000 to endow the fund comes in part from $5,000 in award money received by the Division of Development and University Relations in 1991 from the Council for the Advancement and Support of Education (CASE).

The Division overall received $2,500 for earning CASE's top grand Gold Medal for "excellence in the general program"; $1,500 for another Grand Gold Medal earned by the Office of University Relations for having the top public relations program in the nation; and $1,000 for earning a CASE/USX Achievement in Mobilizing Support award by the Office of University Development.

"We wanted to put our award money to the best possible use, and felt that Penn State students — particularly our Lion Ambassadors — were the worthiest of causes," G. David Gearhart, senior vice president for development and University relations, said.

The Alumni Association provided the balance of the endowment's principal from its own sources of income.

The Alumni Volunteer Fund will be renamed every year to honor a particular Penn State alumnus or alumna who has done exemplary work or made substantial contributions to Penn State.

More than $330,000 donated

College of Engineering receives three gifts

Civil engineering scholarship gets boost

Ray H. Mekis, chairman of the board of Thomas A. Mekis and Sons, Inc., of Fenelton, PA, has given $100,000 to the College of Engineering. The gift will support the Thomas A. Mekis and Sons, Inc., Civil Engineering Scholarship that Mr. Mekis established in 1987.

"Ray Mekis is an outstanding example of an individual educated as an engineer who built a successful business career. He provides a wonderful role model for engineering graduates entering today's competitive market," Carl H. Wolgemuth, acting dean of engineering, said.

The scholarship is available to outstanding civil engineering students who have a proven financial need as well as a stated interest in the construction industry.

"A college education is a worthwhile thing but it's a very expensive proposition compared with when I attended Penn State," Mr. Mekis said. "A lot of people who are deserving can't afford an engineering education. I hope this scholarship helps those students out."

A 1954 Penn State civil engineering graduate, Mekis began work at his father's firm immediately after graduation. A brother, Thomas B. Mekis, who also is Penn State civil engineering graduate, joined the firm in 1959. The company, founded by Mekis' father Thomas A. Mekis in 1946 and located in Butler County, is a prominent bridge contractor operating throughout Western Pennsylvania. Ray Mekis, who retired as president in 1991, continues in the firm in his current position as chairman of the board.

Mr. Mekis serves on the board of directors of the Blind Association of Butler County and has served on the boards of directors of the Associated Pennsylvania Contractors and the Contractors Association of Western Pennsylvania.

Acoustics professorship adds $50,000

United Technologies Corp. has given $55,000 to the College of Engineering. The majority of the gift, $50,000, completes the $250,000 endowment of the United Technologies Corporation Professorship in Acoustics, which was initiated in 1987.

The remainder will go to the Minority Engineering Program, which focuses on the recruitment and retention of Hispanic, African American, Native American Indian and Puerto Rican students.

Jiri Tichy, professor and head of the acoustics program, currently holds the United Technologies professorship. An internationally-recognized expert in active noise control and structural dynamics, Dr. Tichy is the co-author of seven books and author of numerous publications. He is vice president elect of the Acoustical Society of America and, as part of that position, will chair the ASA Technical Council.

Dr. Tichy joined the University faculty as an associate professor in the Department of Architectural Engineering and was appointed head of acoustics in 1975.

United Technologies, based in East Hartford, Conn., provides a broad range of products, systems and services primarily to the aerospace and defense, building and automotive industries.

Estate bequest will support two projects

The College of Engineering has received a $178,000 bequest from the estate of Claude F. "Caesar" Wertz of Coral Gables, Fla.

The Wertz bequest will support two major projects in support of undergraduate education, The Leonhard Center for Innovation and Enhancement of Engineering Education and the renovation of mechanical and electrical engineering facilities and classrooms.

The late "Mr. Wertz was a successful, well-rounded individual who contributed his talents freely to his community and to the engineering profession," Carl H. Wolgemuth, acting dean of engineering, said. "This gift will help to keep his memory alive as it supports programs and facilities for generations of young engineers in the College of Engineering."

Mr. Wertz, a 1920 sanitary engineering Penn State graduate, was director of Miami's Department of Water and Sewers from 1955 until his retirement in 1967. He continued to do consulting work in the U.S. and abroad for many years. In 1965, he was named Engineer of the Year by the Florida Engineering Society.

Mr. Wertz was past president of the National American Water Works Association and served as director for the Florida section of the association. He received the George Warren Fuller Award for outstanding service in the field of water supply. He was a fellow in the American Society of Civil Environmental Engineers, a diplomate of the American Academy of Environmental Engineers and a member of the Water Pollution Control Federation.

In retirement he designed and built a house in the mountains of North Carolina, surrounding it with beds of flowers. He also built a rose garden that produced prize-winning blooms.

He was an avid golfer, bridge player, backgammon and pinochle buff. In his later years, he designed and hooked rugs. A Penn State football fan, he and his wife sent a box of Florida tangelos to Joe and Sue Paterno each winter.

Nursing professorship established

F. Robert Walch, a retired radiologist, has established the Doris Hayden Walch Professorship in Nursing in honor of his wife, Doris, who is a retired registered nurse.

Dr. Walch established the endowed position with a gift of $250,000, the first in the College of Health and Human Development's School of Nursing.

"Dr. Walch's generosity provides a significant opportunity for the School of Nursing, even as it expresses the respect he feels for his wife and for nursing," said Janet Williamson, the school's director. "The honor and prestige of a named position will help us to recruit an outstanding scholar."

Dr. Walch was in the Penn State class of 1942 in pre-medicine, and earned his M.D. at the University of Pittsburgh. After practicing medicine for a number of years in Winchester, Va., he joined a radiology group practice in Sarasota, Fla., and later began a successful citrus grove business.

The School of Nursing is celebrating its 25th anniversary during the 1992-93 school year. More than 4,000 students have earned undergraduate and graduate nursing degrees. Students pass the mandated and national standardized Board exams at a rate higher than both the state and national average.

Alumnus gives $50,000 to Academic/Athletic Convocation and Events Center

Penn State alumnus Otto Grupp III and his wife, Jean, of Langhorne have given $50,000 to the University's campaign to raise $20 million in private gifts for a new Academic/Athletic Convocation and Events Center.

Otto Grupp III, who earned a bachelor's degree from Penn State in 1951, is president of Langhorne-based Thomson Financial Services and a partner in the Thomson Group, an insurance and financial planning company with five offices in Pennsylvania and New Jersey.

Private gifts are being added to a $33.8 million state appropriation for the center, which will host academic, athletic, cultural and entertainment events. The University's Board of Trustees approved final plans for the structure this month, and it is expected to be open during the 1994-95 winter sports season. It will contain about 16,500 seats, making it the largest indoor arena between Philadelphia and Pittsburgh and the third largest in the Big 10 Conference.

The fund-raising campaign for the Convocation Center was kicked off in April 1991. Gifts and pledges now exceed $19 million.

Otto Grupp III has provided volunteer leadership for the campaign in the Philadelphia area.

Awards

Development and University Relations Division wins ten awards for programs

The University's Division of Development and University Relations has won ten awards — including the top prize for public relations — in the 1992 recognition competition sponsored by the Council for Advancement and Support of Education (CASE).

Headquartered in Washington, D.C., CASE represents the institutional advancement profession — educational fund raising, public relations and communications, alumni relations, and related areas — at more than 3,000 colleges, universities and other member institutions worldwide.

For the second year in a row, the division's Office of University Relations won the grand gold medal in overall institutional relations programs, which include public relations, marketing, community relations and news and information functions.

The office is administered by **Roger L. Williams**, assistant vice president and executive director of University relations, and **Karen A. Rugh**, director of University relations. The award includes the contributions of the departments of Public Information, Publications, and Development Communications and Special Projects.

"The grand gold effectively certifies the Office of University Relations as mounting the best programs in the nation in higher education public relations," **G. David Gearhart**, senior vice president for development and University relations, said. "This accomplishment, gained through peer review, enhances Penn State's reputation as being among the perennial national leaders in institutional advancement."

The Department of Public Information, administered by **Bill Mahon**, director of public information, won the silver medal in overall news and information programs.

Other awards include:

— gold medal in "individual institutional relations projects," by **Cynthia B. Hall**, manager of marketing and advertising, for the 1991-92 internal multicultural diversity campaign. Submitted on behalf of **James Stewart**, vice provost.

— gold medal in "college and university partnerships"submitted by **Cynthia B. Hall**, manager of marketing and advertising, for the Penn State Educational Partnership Program package, for **Robert Dunham**, dean of CES, **Rodney Reed**, dean, College of Education, **Darrell Thomas**, assistant partnership director, and **Robert Nicely Jr.**, associate dean, Continuing Education and Commonwealth Education and Outreach Programs.

— bronze medal in "general news writing," by **Bill Mahon**, director of public information; **Vicki Fong**, manager of the news bureau, and the entire Penn State news bureau.

The Department of Publications, directed by University Editor **Jeffrey T. Hermann**, won three additional awards:

— silver medal in "special program publications packages," for the multicultural diversity educational package, by **Cynthia B. Hall**, manager of marketing and advertising; **Heather Chakiris**, publications editor; **Marilyn Shobaken**, former art editor, and **Larry Krezo**, designer.

— silver medal in "individual in-house publications," for the brochure on the graduate program in acoustics, by **Larry Krezo**, designer; and **Mary Beth Carlin**, production coordinator.

— silver medal in "individual in-house publications," for the diversity educational brochure, by **Cynthia B. Hall**, manager of marketing and advertising; **Heather Chakiris**, publications editor; **Karen Home**, production manager, and **Larry Krezo**, designer.

The Office of University Development won a CASE Achievement in Mobilizing Support (AIMS) award for its annual giving programs, directed by **Daniel P. Saftig**. The office is administered by **Bradford E. Choate**, associate vice president for development and University relations, and **Robert W. Groves**, executive director of University development.

The Penn State Alumni Association, administered by **Peter B. Weiler**, assistant vice president and executive director, won a bronze medal in "individual alumni awards and projects" for its program on "Challenges and Achievements: A Celebration of Women in Engineering."

The program, which involved a survey, reunion and conference, was created and conducted by **Diane K. Ryan**, assistant executive director for special programs, Penn State Alumni Association; **Cynthia J. Jones**, coordinator for special programs, College of Engineering; and **Carol L. McCart**, former coordinator, alumni relations, College of Engineering.

Two from Eberly College receive alumni society honor

Norman Freed and **Ronald B. Kessinger** have been named winners of the 1992 Eberly College of Science Alumni Society Distinguished Service Award, the alumni society's highest honor.

Established in 1979, the Distinguished Service Award is presented annually to individuals who have made exceptional service and leadership contributions to the college or alumni society.

Dr. Freed, professor of physics and associate dean for resident instruction, was honored "for his 15 years of loyal service as associate dean for resident instruction and for his continuing devotion to the undergraduate programs and the students of the Eberly College of Science."

A 1958 graduate of Antioch College with a bachelor's degree in physics, he earned his master's and doctoral degrees in theoretical nuclear physics at Case Western Reserve University in 1961 and 1964, respectively.

Dr. Freed joined the University faculty in 1965 as an assistant professor of physics and was appointed assistant dean in 1978. During the summer of 1979, he served as acting head of the Department of Computer Science, and the following fall, he was appointed acting head of the Department of Physics. He currently is responsible for overseeing and coordinating the college's 11 undergraduate majors and programs, including advising, recruitment, retention, and instruction. He says that "the opportunity to make a difference," is what he enjoys most about working with undergraduates.

A theoretical nuclear physicist, Dr. Freed has research interests in pion physics, high energy electromagnetic interactions with nuclei, and nuclear structure theory. He is the author or coauthor of more than 50 technical articles and has presented numerous invited lectures in the U.S. and abroad.

In addition to being a member of the American Association for the Advancement of Science, he also is a member of the American Physical Society, the American Association of University Professors, and Sigma Xi.

Mr. Kessinger, assistant to the dean for facilities, was honored "for his 14 years of loyal service and for his dedication to maintaining and improving the facilities of the Eberly College of Science."

A 1978 Penn State alumnus with a bachelor's degree in business administration, he joined the Eberly College of Science staff in 1978 as assistant to the coordinator of facilities and restricted funds. He was named administrative assistant for facilities and restricted funds in 1982 and was appointed to his current position in 1989.

In addition to overseeing all facilities within the college and assisting in the management of restricted funds, Mr. Kessinger serves as security officer for AIS and IBIS systems and as safety officer in charge of developing and implementing a comprehensive safety program for the college. As liaison to the Office of Physical Plant, he is responsible for matters pertaining to the maintenance, renovation, and construction of the college's laboratories, classrooms, offices, and buildings. He was involved in the construction of Wartik Laboratory and the new Classroom Building, and estimates that he has helped to renovate more than 75,000 square feet of space in the college.

For his role in helping to construct Wartik Laboratory, home of the Biotechnology Institute, Mr. Kessinger was honored with a Biotechnology Achievement Award in 1987. In 1988, the Office of the Senior Vice President for Research and Dean of the Graduate School presented him with an award for "service above and beyond the call of duty in the promotion of excellence in research."

Provost recognized for contributions

John A. Brighton, executive vice president and provost, has received the Society of Women Engineers 1992 Rodney D. Chipp Memorial Award in recognition of his significant contributions to the acceptance and advancement of women in engineering.

As dean of the College of Engineering from 1988 to 1991, Dr. Brighton initiated several programs to increase the participation of women at all levels of the College.

His achievements included several innovative initiatives. He established the Women in Engineering Program, to improve the recruitment and retention of female students; the College of Engineering Climate Committee, to assess and improve the overall climate in the College for underrepresented populations; and the Engineering Administrative Fellow program, to encourage staff advancement for female and minority staff members.

As a result of his emphasis on the need to have more women on the faculty, the number of female faculty members grew from five to sixteen during his tenure.

Dr. Brighton is nationally recognized as a prime mover in engineering education. He chaired the American Society for Engineering Education Engineering Deans Council Faculty Pipeline Task Force, served on the Engineering Directorate Advisory Committee of the National Science Foundation, and was a member of the Engineering Manpower Commission. He also was a key organizer for the NSF-funded seven member Engineering Coalition of Schools for Excellence in Education and Leadership (ECSEL).

The Penn State student chapter of the Society of Women Engineers is the largest in the country with 230 members. The group offers academic support and career development and social activities.

SWE is a non-profit educational service organization of graduate engineers and women and men with equivalent engineering experience, dedicated to the advancement of women in the engineering profession.

Awards

Mont Alto faculty members honored for contributions

Two Penn State Mont Alto faculty members have been honored for their positive influence on students and their contributions to the campus.

Peggy Russo, assistant professor of English, received the Martha A. Fisher Award for Excellence in Teaching, and James Hamilton, assistant professor of speech, was awarded the Mont Alto Campus Distinguished Alumni Award.

A committee of students chooses the recipient of the Fisher Award, established three years ago to stress the campus' commitment to excellence in teaching, based on the instructor's knowledge of the subject, preparation for class, ability to clarify difficult concepts, respect for students as individuals, skill in encouraging students to participate in discussions, and other strengths that set the instructor apart from other faculty members.

Peggy Russo

James Hamilton

Dr. Russo was one of "three very strong candidates" for the award, according to Kirk Manning, director of Student Programs and Services

Dr. Hamilton, who attended Penn State Mont Alto for one year before transferring to the University Park Campus to complete studies for a bachelor's degree in speech communications, was selected for the Distinguished Alumni Award based on his service to the campus and community and his national reputation in the field of environmental education. In addition to his teaching position at Mont Alto, he serves as director of the Pennsylvania Conservation Leadership Schools.

Exemplary leadership noted

Doris W. Coldren, instructor in English at the Penn State Fayette Campus, has received the 1992 "Outstanding Fellow of the Fayette Campus" award.

Doris W. Coldren

The award is designed to honor a "community leader" whose support to the Fayette Campus has been so exemplary as to warrant special recognition by the Advisory Board.

Professor Coldren is a graduate of California (PA) University and received a master's in English from the University of Pittsburgh. She joined the Fayette Campus faculty in 1970.

She has received a number of awards for her community involvement and service, including the 1989 J. Harold Arnold Award for Public Service Excellence; the 1987 Crusade Award from the American Cancer Society, and the 1987 Woman-of-the-Year Award from the Uniontown Business and Professional Women's Club.

At the campus, she has served as commencement marshal, chairperson of the Fayette Campus Senate, and campus senator to the University Faculty Senate.

Professor honored for work

Robert E. Newnham, Alcoa professor of solid state science, has received the first International Ceramics Prize of the Academy of Ceramics during the Academy of Ceramics Forum in Assisi, Italy.

Robert E. Newnhom

He was cited for "distinguished, creative and exceptional interdisciplinary contributions to the advancement of ceramic science and culture, especially in composite electroceramics, including intelligent ceramics."

Dr. Newnham holds a Ph.D. in physics and mineralogy from Penn State and a Ph.D. in crystallography from Cambridge University. Prior to joining the University faculty in 1966, he taught at the Massachusetts Institute of Technology.

He is a member of the National Academy of Engineering, past president of the American Crystallographic Association, and Distinguished Lecturer of the IEEE.

NASA achievement medal given

Bruce A. Albrecht, professor of meteorology, has received NASA's most prestigious scientific award, the Exceptional Scientific Achievement Medal.

The medal is given for "unusually significant scientific contribution toward the achievement of the NASA mission." Dr. Albrecht was recognized for his outstanding research on the life-cycle of marine stratocumulus clouds and their interaction with aerosols and the Earth's climate.

Dr. Albrecht, a member of the University faculty since 1977, has focused his research efforts on extending the understanding of cloud processes. He played a leading role in the planning and operation of a major field study of marine stratocumulus clouds in 1987, and currently is serving as a lead scientist for a similar field program to be held in the Azores Islands.

In the Department of Meteorology, he recently has been involved in developing the new Cloud Observing System, the most advanced collection of instrumentation for cloud research available at a U.S. university.

Faculty and staff members achieve in their fields

University Libraries Award

Linda C. Friend, associate librarian and coordinator for database search services, has received this year's University Libraries Award.

Ms. Friend was chosen by her colleagues in recognition of her "leadership in the use of electronic information resources and services and for her guidance and support in serving the professional development of others."

During the 1980s, Ms. Friend played an important role in integrating electronic database resources into reference and information services offered to students and faculty. In addition, she taught many students, faculty, and staff how to use traditional library resources and encouraged them to take advantage of the new information technologies.

Ms. Friend joined the Libraries in 1978 as a reference librarian and became coordinator for database search services in 1980. Before her appointment at Penn State, she worked at the Free Library of Philadelphia and earned her master of library science from the University of Pittsburgh.

She is a member of the American Library Association and serves as chair of the computer-based methods and resources committee of ALA's Collection Development Section. In addition, she serves as public services liaison for the University Libraries and the Research Libraries Group's information network. She also is a member of the Special Libraries Association.

The University Libraries Award consists of a citation, a cash stipend, and a Nittany Lion statue given in recognition of the achievements or performance of any person holding an academic or staff appointment in the Libraries.

Cited for three honors

Thomas Keiter, professor-in-charge of film and video in the School of Communications, has received three competitive awards.

— Certificate for Creative Excellence from the U.S. Industrial Film Festival in the Medicine, Health: Professional Education Category for "Was It Just a Drop of Blood?," a video presentation for healthcare workers on Hepatitis B prevention; produced under a grant from SmithKline Beechman.

— Merit Award, Healthcare Advertising Awards, Professional Recruitment Category, for "Your Life, Your Style" produced for Cole Memorial Hospital.

— Silver Award, Healthcare Advertising Awards, Special Video Productions Category, for "Your Life, Your Style" produced for Cole Memorial Hospital.

International winner

Gary N. Knoppers, assistant professor of religious studies, was the second place winner of the Mitchell Dahood Memorial Prize Competition, an international competition for young scholars in Semitic Studies, for his essay, "Dissonance and Disaster in the Legend of Kirta."

Oustanding teachers

Four faculty members in the College of Engineering have been honored for outstanding teaching by the Penn State Engineering Society.

Outstanding Teaching Award recipients are **John M. Cimbala**, associate professor of mechanical engineering; **David Huggins**, associate professor of engineering at the Penn State New Kensington Campus; **David B. Meredith**, associate professor of engineering at the Penn State Fayette Campus, and **Victor E. Sanvido**, associate professor of architectural engineering.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, July 30. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00064, Public Information and University Relations Assistant, CES, Berks Campus** — Responsible to the director of University Relations for organizing and conducting comprehensive public information and media relations program for the campus. Duties include preparing news releases, providing support to alumni committee, and assisting the director of University Relations with all campus special events. Requires bachelor's degree, or equivalent, in journalism, English, communications, plus more than one and up to two years of effective experience in newspaper and/or journalistic writing. SPEC GRADE 19.

■ **00066, Coordinator, Campus Residence Life, Student Programs and Service, Beaver Campus** — Responsible for assisting supervisor in determining and enforcing policies for the supervision and coordination of the residence hall areas. Also assists supervisor in maintaining working relationships with various areas, coordinate housing, food service, security, and other matters; assists supervisor in determining procedures for the selection, training, and evaluation of staff; assists supervisor in the development of programs and in preparation of office budget, as requested; and assist supervisor and/or act as adviser to various residence hall organizations, and handle request for room changes and contract releases when appropriate. Requires bachelor's degree, or equivalent, plus one-to-two years of effective experience. SPEC GRADE 19

■ **00067, Program Director, College of Education, Penn State Educational Partnership Program, Berks Campus** — Responsible to the partnership director for directing and overseeing the operation of assigned partnership program. Responsible for tutorial services to include selecting, training, and scheduling tutors. Also assists in planning local educational support programs, and coordinating various programs with school district personnel, community organizations, and University faculty and staff. Requires master's degree, or equivalent, bilingual capability (English/Spanish), and one-to-two years of effective experience in developing and supervising the implementation of educational programs. A demonstrated ability to work with low-income and underachieving students, plus strong communications skills, also required. Experience with multicultural environments preferred. SPEC GRADE 20.

■ **00068, Police Service Officer, University Safety, University Park Campus** — Responsible for preventing illegal, unsafe and undesirable activity and regulatory violations through patrol, education, inspection, and the deterrent effect of enforcement. Must enhance public respect for law enforcement and the University by a constant example of courteous, devoted and ethical service, and perform unusual patrol duties of a tactical nature or neighborhood patrol as directed. Also must perform other duties as assigned. Requires associate's degree in a technical or administrative program, specialized training of over 18 months, and up to three years or equivalent knowledge. Act 120 (Police Training Certificate) and Act 149 (Pennsylvania Department of Education Campus Police Certification) required. SPEC GRADE 18

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-6531 by **July 30.**

■ **19439, Information System Coordinator, Department of Pharmacy Services** — Responsible to the director of Pharmacy Services for the efficient operation of the Pharmacy Information System, monitoring information system projects, providing training to users and monitoring interface between department system and main frame systems. Requires a bachelor's degree or equivalency in business, computer science or related field, plus two-to-four years of effective experience. Staff Exempt, Grade 7.

■ **19433, Date and Professional Fee Coordinator, Department of Anesthesia** — Responsible for assisting in maximizing departmental income and minimizing departmental expense. Also assists with professional billing data collections, coding error resolution, charge entry, and analysis of outcomes, and assist director of administration in analyzing departmental expenses and identifying corrective actions. Requires a bachelor's degree or equivalency in business, plus one-to-two years of effective experience. Experience with billing, finance, and/or medical records in an academic medical center is desired. Staff Nonexempt, GRADE 4.

■ **19432, Manager, Flight Maintenance, Department of Medical Flight Services** — Responsible for ensuring that flight operations aircraft is maintained in accordance with applicable regulations and good maintenance practice, for scheduling aircraft maintenance and minimizing down time, and for the maintenance of aircraft servicing records. Requires a high school graduate plus graduation from a two-year program (or equivalent) in mechanical technology, aviation maintenance, or related field, including a formal training program to obtain FAA approved airframe and power plant certificate, plus three years of effective experience as an airframe and power plant mechanic. Supervisory experience in aircraft maintenance, completion of ground training school in current aircraft, auto-pilot school, and avionics experience preferred. (Inspection Authorization Certificate preferred). Staff Exempt, GRADE 6.

■ **19445, Manager of Professional Reimbursement, Department of University Physicians, Professional Billing** — Responsible for planning, direction, coordination and control of the professional reimbursement function. Requires a bachelor's degree (or equivalent) in hospital, health, or business administration plus three-to-four years of effective experience in professional billing. Staff Exempt, GRADE 7.

Endowment honors professor emeritus

The founder of the internationally known Penn State Executive Programs is being recognized through the naming of an endowed professorship.

Widely known as an early leader in the field of executive education, Earl P. Strong, professor emeritus of management, launched the first four-week learning program for middle- and upper-level managers here in July 1956.

From that single summer program, the operation—a part of The Smeal College of Business Administration—has grown so that last year it served more than 800 executives from 247 companies and organizations in 41 countries with 38 different education offerings. Since its founding 36 years ago, the Penn State Executive Programs has had more than 12,000 clients and is ranked among the world leaders by popular and industry media.

"Earl Strong played a critical and pioneering role in creating an awareness in the business community of the need for education among the ranks of corporate leaders," J.D. Hammond, dean of The Smeal College, said.

Earl P. Strong

Dr. Strong joined the Penn State business faculty in 1954. In addition to serving as director of the Executive Management Program, he was director of the then-College of Business Administration's Bureau of Business Research, chief of the Division of Management, predecessor to today's departments of Management Science and Management Organization, and a teacher.

He holds bachelor's degrees from Rider College and the Indiana University of Pennsylvania, a master's degree from Ohio State University and a doctorate from New York University. He is the author and coauthor of numerous books and manuals on business management, some of which have been translated into Japanese, Arabic, Spanish and Dutch.

In addition to his academic endeavors, Dr. Strong is the inventor of the Strong Pacer, an electronic device to improve the speed and productivity of office personnel.

Retiring from Penn State in 1972, he went on to become director of the Bureau of Business and Government Services and the Executive Development Programs at Temple University.

The Earl P. Strong Executive Education Professorship in Business Administration was created through funds generated by the Penn State Executive Programs. Support from the Strong Professorship will be used to further the teaching, research and public service of an outstanding member of The Smeal College faculty.

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Most successful fund-raising year realized

University receives $63 million in gifts in 1991-92

Penn State has completed the most successful fund-raising year in its history. The University received $63 million in private gifts for the fiscal year ending June 30, $600,000 more than the previous record of $62.4 million set in 1989-90.

The 1991-92 total also represents an increase of $1.6 million over last year's total of $61.4 million.

Alumni giving increased nearly 9 percent, from $15.9 million in 1990-91 to $17.3 million in 1991-92. Gifts from individual non-alumni climbed more than 56 percent, from $8 million to $12.5 million, during that same period.

"We are deeply grateful to our alumni and friends, who responded generously in very difficult economic times," President Thomas said.

"Their gifts, combined with those from corporations and other groups in the private sector, provide Penn State with support for scholarships, faculty endowments, research and other vital programs. That kind of support is simply not available through other means and plays a critical role in our efforts to enhance academic excellence."

Senior Vice President for Development and University Relations G. David Gearhart noted that the $63 million total represents gifts actually received and does not include pledges or future commitments.

"For example, we're in the final stages of successful fund-raising campaigns for the Hershey Medical Center and the new Convocation Center, but many of those gifts are long-term commitments that do not necessarily show up in last year's totals."

Alumni made some 69,900 gifts in 1991-92, about 5 percent more than the previous year. There were 47,400 gifts from non-alumni individuals, up 6.5 percent from 1990-91.

Corporate giving totaled $20.4 million, a 3.8 percent drop from the $21.2 million received in 1990-91. Gifts from foundations fell 35 percent, from $10.2 million to $6.6 million. Giving from all other organizations remained steady at about $6.2 million.

"We anticipated some softness in corporate giving because of the nationwide recession," Brad Choate, associate vice president for development and university relations, said. "The foundation giving totals represent several exceptionally large gifts made in 1990-91 that can't be expected every year. These figures do not include the revenues that will come to the University over the next 10 years from the recently announced arrangement with Pepsi.

"We are very pleased with the results for 1991-92. Setting a new fund raising record for Penn State during the past year's difficult economic times is very encouraging."

Who says girls aren't mechanically inclined? Forty-two junior high school girls recently took part in Penn State's MS WIZ program. MS WIZ is a National Science Foundation-sponsored initiative to foster an interest in engineering and science careers in young girls. Here, participants take apart and rebuild a household appliance during a lab session. The girls also built and launched rockets, researched and constructed solar ovens, and built electrical circuits and flashlights. Photo: Greg Grieco

University 10th in federal support

Penn State ranked 10th among all universities in total federal support, according to recently released National Science Foundation figures.

In fiscal year 1990, which ran from Oct. 1, 1989, to Sept. 30, 1990, the University received $185 million. This amount includes all categories of direct federal support to universities, including research and development funds and grant programs like Pell Grants and Supplemental Educational Opportunity Grants, but excludes student loans.

The 1990 rankings place Penn State fifth among public research universities in total federal support.

"Penn State's federal funding is about 75 percent research and development monies," David A. Shirley, senior vice president for research and dean of the Graduate school, said. "This reflects our world class reputation as a public research institution."

See 'Support rankings' on Page

Federal Support Rankings 1990

University of Washington	$263 million
University of Michigan	$210 million
Univ. of Calif., Los Angeles	$206 million
Univ. of Calif., San Francisco	$186 million
PENN STATE	$185 million

Penn State ranks fifth among public research universities in total federal support, and tenth among all universities.

Alumni Association membership increases to all-time high this year

Membership in the Penn State Alumni Association has reached a record high of more than 113,000 on the strength of its largest annual increase since 1987.

According to Alumni Association officials, more than 7,600 new members joined the association in the past year, including more than 2,000 life members and more than 5,600 annual members. Of the new annual memberships, 1,266 resulted from a cooperative venture with the University's Annual Fund in which introductory memberships were given to non-members who pledged more than $100 to the fund.

Meanwhile, the four-year Pride of Lions Membership Drive, begun in 1991, exceeded its first-year goal by nearly 4,000. Total membership also was boosted by an increase in the renewal rate of annual members from 77 percent to 85 percent. Nearly half of the association's members are life members.

"We are very pleased with our progress during the initial phase of the Pride of Lions Membership Drive," Peter B. Weiler, assistant vice president and executive director of the association, said. "Membership is vital to both the association and the University in order to keep our loyal alumni informed and involved in the fabric of Penn State. We cele

See 'Alumni' on Page

DIVERSITY

Barbara A. Sizemore, former University of Pittsburgh professor of Black studies and participant in Penn State's sixth annual summer Scholars in Residence program, lectures during a recent Black studies class. Dr. Sizemore, who finishes up at Penn State on Aug. 5, will become dean of the School of Education at Depaul University, Chicago, effective Aug. 10. **Photo: Greg Grieco**

Minority Teachers for the 21st Century

New summer program to recruit teachers proves challenging

Thirty minority students from around the country participated in a new summer program designed to recruit minorities into teaching careers for the next century.

Sponsored by the College of Education, the "Minority Teachers for the 21st Century: A Pre-College Program" provided stimulating pre-college preparation and direct exposure to new teaching techniques.

Held at University Park in July, the program is the only college- or university-sponsored initiative nationwide to recruit minorities into teaching from as early as the ninth grade, according to **Reggie K. Brooks**, director of minority student services for the college.

"Minority students learn better from minority teachers who act as role models and who don't raise political or social barriers to learning," he said. According to national data, fewer than 5 percent of all public school teachers are minorities while 65 percent of all students in public schools are minorities.

"Our objective is to help change that ratio," he added. "The program goals are to expose young high school students to college life and to help them set goals for attending and graduating from college. In the process, we are also encouraging them to become teachers."

The program has three components: academic classroom instruction; enrichment, which includes study skills, time management, library skills and test preparation; and social activities, including trips to Penn State campuses, laboratories and other facilities.

"Teaching is not a priority among young minorities because of pressures from parents and friends to major in subjects that lead to high-salaried careers," Mr. Brooks said. "Since teaching is not one of the highest paying careers, some minorities, African/Black-American males in particular, are ashamed to even admit an interest in teaching.

"But we think many are misinformed. Teaching is rewarding and pays well, with some jobs beginning at $27,000 or more." According to the National Education Association, the national average salary for teaching is $34,413, which usually includes a good benefits package with, in many cases, tuition discounts for graduate work.

Fewer than 5 percent of all public school teachers are minorities.

Mr. Brooks said that, contrary to popular belief, formal classroom instruction has a great influence on young students.

"Many school districts are now aggressively recruiting minority teachers because they better understand the lifestyles and backgrounds of minority students and they are good with non-minority students as well.

"But these days, most students have White female teachers from the suburbs, and few encounter male African-American, Asian American, Native American Indian or Hispanic/Latino teachers. Hiring more minority teachers can only be a win-win situation for the schools, local communities and tomorrow's society."

DIVERSITY BRIEFS

The Coordinating Council of Professional Women

Five University women have been chosen to serve on the Coordinating Council of Professional Women at Penn State.

Professional Women at Penn State is a grass-roots group whose participants develop and maintain a communications network and serve as a resource for other Penn State women. The group's Coordinating Council is composed of 10 volunteers who serve two-year terms, five of which expire in June.

The new Coordinating Council members are **JoAnn Dornich**, assistant manager, Warnock Commons, Housing and Food Services; **Barbara Garbick**, human resources assistant, Office of Physical Plant; **Kathryn Intinger**, secretary B, Department of Comparative Literature, College of the Liberal Arts; **Sue Poremba**, writer/information aide, Senior Vice President for Research and Graduate School; and **July Pressler**, administrative aide, Department of Accounting, The Smeal College of Business Administration.

They will join **Tineke Cunning**, career counselor, Career Development and Placement Services; **Jackie Esposito**, chair-elect and assistant university archivist for records management, University Libraries; **Sherry Walk**, assistant to the director for Education Abroad Program, Office of International Programs; **Lisa Wandel**, assistant director for food service, Housing and Food Services; and **Nancy Witherite**, secretary B, College of Engineering, whose terms continue through the 1992-1993 fiscal year.

Outgoing Council members include **Lisa Davis**, Department of Health Policy and Administration, College of Health and Human Development; **Candace Davison**, reactor supervisor/nuclear education specialist, Radiation Science and Engineering Center; **Marcia Haluga**, former chair and assistant to the associate dean for research, College of Earth and Mineral Sciences; **Barbara Kennedy**, chair and assistant to the dean, Eberly College of Science; and **Cheryl Stroud**, research associate, Department of Dairy and Animal Science, College of Agricultural Sciences.

For more information about Professional Women at Penn State, contact Jackie Esposito, C107 Pattee Library, University Park, 865-7931.

The Women's Alliance

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place Aug. 19. Professional women in State College and at Penn State are welcome to attend for informal discussion and networking. No reservation is required.

"Peace and respect for all people..." As a stop along the way, faculty, staff and students at the Mont Alto Campus recently had the opportunity to be a part of the Peace and Dignity Journey—an epic, cross-continental 15,000-mile relay run carried out by several groups of Native Americans. The run, which ends Oct. 12 in Mexico City, included this break for a purification ceremony where sage leaves were burned by Alberto Ramirez, left, of Mexico City, and William Gormally, right, of Rhode Island. The Peace and Dignity Journey is a celebration honoring Native American culture.

Penn Staters

Ram B. Bhagat, senior research associate, IRP and associate professor of engineering science and mechanics, has been selected to serve on the Organizing Committee of The Ninth International Conference on Composite Materials (ICCM/9), in Madrid, Spain, in July, 1993.

Jean Brenchley, professor of microbiology and biotechnology in the Department of Molecular and Cell Biology and the Biotechnology Institute, has been appointed an editor of *Microbiological Reviews*, published by the American Society for Microbiology.

Carlyle Carter, coordinator of CES athletics and recreational sports, has been elected second vice president of the National Alliance of Two-Year College Athletic Administrators (NATYCAA).

Carolyn R. Dexter, professor of management at Penn State Harrisburg, has been named a Fellow of the Eastern Academy of Management.

William M. Donovan, instructor in business administration at the Penn State Worthington Scranton Campus, has received the 1992 Gertrude Hawk Candy, Inc., Award which recognizes a member of the University's faculty, professional, or administrative staff who exhibits outstanding performance and service in academic endeavors, co-curricular activities, and service to the community.

Mary Ehret, extension agent for family living and urban youth development in Luzerne County, has received the Outstanding Family Living Program Award from the National Association of Extension Home Economists.

Wolfgang Ernst, professor of physics, gave a colloquium, "Laser Spectroscopic Experiments for the Investigation of Molecular Structure and Dynamics," at the University of Freiburg, Germany.

Irwin Feller, director of the Graduate School of Public Policy Administration and professor of economics, presented a paper, "Lessons from the American Experience with Technology Utilization and Technical Assistance Programs for Small and Medium-sized Manufacturing Firms," at the European Community Conference, "Innovation in the Nineties," in Brussels, Belgium.

Elizabeth A. Hanley, assistant professor of exercise and sport science, conducted two dance workshops at the International Olympic Academy in Ancient Olympia, Greece, and presented a paper titled "Dance Ethnography: An Olympic Perspective" at the Sixth International Conference on Dance Ethnography in Athens, Greece.

Dale Jacquette, associate professor of philosophy, presented a paper titled "Hume's Aesthetic Psychology of Distance, Greatness, and the Sublime" at the 19th international meeting of the Hume Society at the University of Nantes, France.

John Johnson, associate professor of psychology at the Penn State DuBois Campus, presented a paper titled "Multimethod Republication of the Abridged Big Five Dimensional Circumplex Model" at the Sixth European Conference on Personality in Groningen, The Netherlands.

Gary L. Lilien, professor of management science, participated in a panel discussion at The Institute of Management Science Marketing Conference in London, England. TIMS is an international professional society that solves problems in business and government.

Norbert J. Mayr, assistant professor of history at the Penn State Worthington Scranton Campus, spoke on internal changes in the United Federal Republic of Germany at an international conference sponsored by the Central European Study Group and the German Historical Institute in Leningrad.

Gary L. Messing, director of the Center for Advanced Particulate Materials and professor of ceramic science and engineering, gave an invited presentation on "Multiphase Particulate Processes in Ceramic Processing" at the European Science Foundation/National Science Foundation Workshop on Particulate Multiphase Processes in Strasbourg, France. He also gave a lecture on "Sol Gel Synthesis of Mullite" in the Department of Solid State Materials at the Universite Pierre et Marie Curie in Paris.

Carl Mitcham, director of the Science, Technology and Society program, has been named honorary director of the newly created Research Center of Science, Technology, Economy and Society at the Graduate School of the Chinese Academy of Sciences.

J. Philip Mosley, associate professor of English and comparative literature at the Penn State Worthington Scranton Campus, has been named winner of the 1992 Pharmakon Laboratories Award for Excellence in Scholarship.

Judith L. Newman, associate professor of human development at the Penn State Ogontz Campus, presented a paper on children's understanding of, and adjustment to, divorce and remarriage at the 22nd annual symposium of the Jean Piaget Society in Montreal, Canada.

Robert Plomin, distinguished professor of human development, has been awarded a Senior International Fellowship from the Fogarty International Center. He will spend the 1992-93 academic year at the College of Medicine at the University of Wales, where he will collaborate with colleagues in the Laboratory of Neuropsychiatric Genetics.

R.V. Ramani, professor and head of mining engineering, chaired and presented several lectures at an International Workshop on Reclamation of Surface Mining sites in Ankara, Turkey. The workshop was organized by the Scientific and Technical Research Council of Turkey and the Turkish Coal Enterprises in cooperation with the Middle East Technical University and Penn State. **Erdal Unal**, associate professor of mining engineering, served as workshop co-chair.

David W. Russell, associate professor of computer engineering at Penn State Great Valley, presented a paper titled "AI-Augmented Goal Achievement in Process-Control Systems" at the 11th European Meeting on Cybernetics and Systems Research at the University of Vienna, Austria.

William E. Sopper, professor of forest hydrology, School of Forest Resources, has received the 1992 William T. Plass Award from the American Society for Surface Mining and Reclamation in recognition of a preeminent research career in mine land reclamation.

Michael A. Smyer, professor of human development and associate dean for research and graduate studies in the College of Health and Human Development, has been elected a Fellow of the American Psychological Association, Division of Clinical Psychology.

Shannon Stokes, professor of rural sociology and head of the Department of Agricultural Economics and Rural Sociology, has been named president-elect of the Rural Sociological Society.

Marcus H. Voth, associate professor of nuclear engineering and director of the Radiation Science and Engineering Center, has been elected treasurer of the Reactor Operations Division of the American Nuclear Society, the international organization of nuclear professionals.

Support rankings

Continued from Page 1

Johns Hopkins University was first in federal support with $616 million. Stanford University was second with $280 million and the University of Washington was third with $263 million.

The fourth through ninth ranked schools were Massachusetts Institute of Technology; University of Michigan; University of California, Los Angeles; Cornell University; Howard University, and University of California, San Francisco.

In Pennsylvania, the University of Pennsylvania ranked 16th with $169.5 million; University of Pittsburgh ranked 19th with $146 million; Carnegie Mellon University ranked 69th with $57 million, and Temple University ranked 92th with $41 million.

Alumni

Continued from Page 1

brate our progress, but recognize the importance of our goals yet to be realized."

National surveys rank the Penn State Alumni Association as the second largest in the United States, trailing only the University of Illinois Alumni Association.

In recent years, the Penn State Alumni Association has three times won the Grand Gold Medal given by the Council for the Advancement and Support of Education for the best overall alumni relations program in the country.

Three grants to support research into continuing higher education

The Division of Continuing Education has announced the presentation of three grants in support of research into continuing higher education and related topics.

Recipients for the 1992-93 Continuing Education Research Awards are: **Peter S. Cookson**, associate professor of adult education, and **B. Allan Quigley**, assistant professor of adult education at the Penn State Regional Center for Continuing Education located at Monroeville. Their research will conduct "A National Survey of Public Research Universities Offering Graduate-Level Instruction Via Audio-Teleconferencing."

Maryann Leslie and **Susan Scherpereel**, regional coordinator and assistant regional coordinator, respectively, for Continuing Education's Western Regional Health Education Graduate Program in Monroeville, will look at the factors that motivate faculty and senior administrators to participate in continuing education.

Maurice G. Sherrard, director of educational resources at The Milton S. Hershey Medical Center, has been awarded a grant for his research into a Faculty Development Program for Distance Education.

The Continuing Education Research Awards were created to provide one year of funding for research inquiries into continuing higher education.

All University faculty and staff members are eligible to compete for the awards, which range from $1,500 to $5,000. A university-wide committee evaluates the proposals on criteria, including relevance to Penn State's continuing education research priorities, overall proposal quality, and research design.

Ag Progress Days to open 24th year Aug. 18

A wide range of programs—from equine education to food processing to wood products manufacturing—will be featured at the 24th annual Ag Progress Days sponsored by the College of Agricultural Sciences, Tuesday, Wednesday and Thursday, August 18—20.

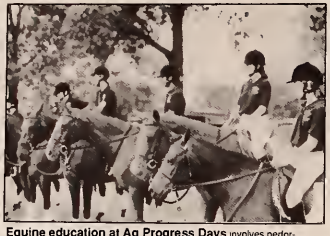
Held at the university's 1,500-acre Russell E. Larson Agricultural Research Center at Rock Springs near State College, the three-day event attracts tens of thousands of people each year.

This year's theme, "Exploring the New World of Agricultural Sciences," will highlight many of the new ways that agricultural scientists help producers and manufacturers to offer better food and fiber products to the public.

Ag Progress Days is one of the largest outdoor showcases of agricultural research and technology in the East. More than 250 commercial exhibitors will display and demonstrate approximately $20 million worth of agricultural equipment.

Machinery demonstrations scheduled throughout the day will highlight no-till planters, primary and secondary tillage, mowing, dry hay baling and bale handling and wrapping equipment.

Beginning at 10 every morning, Penn State faculty and extension agents will present programs on aspects of production agriculture, including poultry composting, manure marketing, nutrient management and on-farm composting. Other programs will provide information on nutrition and health.



Equine education at Ag Progress Days involves performances by the Thorncroft Mainstreamers Drill Team of Malvern, Pa. Shown here at last year's event, the Mainstreamers will return for an encore performance at this year's Ag Progress Days, Aug. 18—20.

Photo: Courtesy of Agricultural Information

Bus tours to the research farms always have been a highlight of Ag Progress Days. Tuesday's tour will focus on ways to maximize vegetable and small fruit production. On Wednesday, visitors will travel to the University Park Campus for a tour of the dairy production facilities and forage pastures managed under an intensive rotational system. Thursday's tour will focus on the latest research in field crops, with emphasis on corn, alfalfa and soybeans.

The special topics tours will run twice a day at 10 a.m. and 1:45 p.m. General research tours, forestry tours and soil and water conservation tours are scheduled throughout the day.

On Wednesday, a special tour offered at 10:30 a.m. and 2:30 p.m. will visit the site of a timber bridge designed by Penn State faculty and sponsored by the Pennsylvania Department of Transportation. This type of bridge, made of glue-laminated beams, may soon replace decaying steel and concrete bridges across the nation.

Ag Progress Days hours are 9 a.m. to 5 p.m. Tuesday and Thursday, with extended hours of 9 a.m. to 8 p.m. on Wednesday. Admission and parking are free.

Applications for internship program being accepted

The Division of Continuing Education is accepting applications for the 1992-93 Continuing Education Internship Program, a new program for all University faculty and staff who have been actively and directly involved in continuing education.

Continuing Education will sponsor six internships, primarily one week in length, and awarded one per month in September, October, November, February, March and April.

The internships are intended to give participants an enhanced understanding of Continuing Education and its relationship to various parts of the University. They're also intended to encourage a broader vision of potential expanded relationships between their work and other areas of Continuing Education and the University.

Internships may be based at University Park, at one or more of the Continuing Education regions across the state, or at a combination of both. Continuing Education will cover lodging and meal expenses for interns who need to travel to a Penn State location other than that at which they are based. Transportation will be the responsibility of the campus, college, center, or office at which the intern is based.

Internships will be awarded on the recommendations of a five-member screening/selection committee. Candidates will be evaluated on numerous criteria, including: the candidate's potential to provide leadership for Continuing Education; the internship proposal's support of Continuing Education goals as stated in the division's strategic plan; the strength and appropriateness of the experiences the candidate brings to the program, and the internship's potential for resulting in action or impact for Continuing Education.

All interns will be required to submit a report of their experience within six weeks of completion of their internship.

Additional information and application forms for the internships are available from **Donna Queeney**, director of research and external relations for Continuing Education, at 212 Keller Building at University Park. (Telephone 863-7752). The deadline for submission of applications for the 1992-93 internships is Friday, Aug. 21. Nominations are encouraged; an application form will be sent to the nominee.

Faculty / Staff Alerts

On the move

The Eberly College of Science recently moved some of its departments and offices to the following locations at University Park (phone numbers are unchanged):

Office of the Dean, **Gregory L. Geoffroy**, 517 Classroom Building; Associate Dean for Resident Instruction, **Norman Freed**, 428 Classroom Building; Associate Dean for Research and the Commonwealth Education System, **Gary Mullen**, 510 Classroom Building; Alumni Affairs and Special Events, **Suzanne Sinclair**, 430 Classroom Building; Communications, **Barbara K. Kennedy**, 427 Classroom Building; Computer Support, **Marsha Church**, 508 Classroom Building; Development, **Johnnie Ray**, 430 Classroom Building.

Facilities Office, **Ronald Kessinger**, 512 Classroom Building; Financial Office, **Dave Andersen**, 515 Classroom Building; Office of Cooperative Education, **Norman Freed**, 520 Classroom Building; Research Office, **Robert Meyer**, 513 Classroom Building; Science Advising and Enrichment Center, **Robert Fedorchak** and **Linda Clark**, 213 Whitmore Laboratory; Science and Premedicine Programs, **Robert Mitchell**, 213 Whitmore Laboratory; Department of Statistics, **James Rosenberger**, 326 Classroom Building.

News in Brief

Hershey research forum

The Fifth Annual Graduate Student Research Forum, sponsored by graduate students in the biomedical sciences at The Milton S. Hershey Medical Center, will be held Sept. 17-18. The Forum's goals are to provide an opportunity for all graduate students to present and exchange ideas, and to recognize the outstanding work being done by graduate students at the Hershey Medical Center.

Oral presentations will take place from 8 a.m. to 4 p.m. Thursday, Sept. 17, in Lecture Room C. The keynote speaker is **James Alwine**, of the University of Pennsylvania, received his doctorate in biochemistry from Penn State at the Hershey Medical Center in 1974. His seminar will take place after the oral presentations.

Poster presentations will be made from 9 a.m. to 6 p.m. Friday, Sept. 18, in Room C3621 (formerly L303).

Center re-accredited

The Center for Counseling and Psychological Services has been re-accredited by the International Association of Counseling Services, Inc., an Alexandria, Va., based organization of U.S. and Canadian counseling agencies.

The center is directed by **Dennis Heitzmann** and offers individual and group psychotherapy, as well as psychiatric and consulting services to University students. In addition, the center provides training for graduate students in clinical and counseling psychology.

Weight Watchers AT WORK

The University Park Campus Weight Watchers AT WORK group meets every Wednesday at noon in the Paul Robeson Cultural Center auditorium. The current 10-week session ends on Aug. 12, and will be extended for a four-week mini-session through Sept. 9. New members are welcome to join at this time.

The cost for the four weeks is $36 which may be paid by cash, check, VISA or MasterCard. To register for the program, attend the Weight Watchers AT WORK meeting on Wednesday, Aug. 19. For additional information, call the Faculty/Staff Health Promotion Office at 865-3085.

The Summer Session's extension will be followed immediately by a 10-week series beginning Sept. 16. Look for information about the fall Weight Watchers AT WORK series and other faculty/staff health promotion programs in the Healthy Happenings brochure which will be distributed campus-wide in late August.

"Three-dimensional" speech

Koichi Kaimoto, supervisor of the NEC Corporation (Japan) Fundamental Research Laboratories, will speak on "Three-Dimensional Flow of Molten Silicon Having Low Prandtl Number: Turbulent or Ordered Structure?," at 11 a.m. Friday, Aug. 14, in 232 Hammond Building at University Park.

The presentation will include a discussion of flow visualization of molten silicon convection using X-ray radiography and fully 3-D numerical simulation, and a video depicting instability in the process experimentally and computationally.

The public is invited. Refreshments will be served in 233 Hammond at 10:45 a.m. For more information, contact **G.S. Dulikravich** at 863-0134.

Obituaries

Anton J. Kovar, professor emeritus of botany, died July 1 at the age of 82.

Dr. Kovar was born in Sarajevo, Yugoslavia, and educated at the School of Science, Olmutz, Czechoslovakia, with advanced degrees from the University of Turin, Italy, and the University of Rome.

He joined the Penn State faculty in 1949 after teaching at the State Teachers College, Oswego, N.Y., for three years and earlier serving in El Salvador, first as head of the Department of Botany of the Coffee Research Institute and later as head of the Department of Botany at the Centro Nacional Agronomia. He retired July 1, 1975.

Ruth K. Hughes, clerk-cashier, hostess, Nittany Lion Inn, from July 8, 1958, until her retirement July 1, 1973, died June 23. She was 84.

Charles A. Linthurst, assistant dining hall supervisor, Housing and Food Services, from Jan. 9, 1967, until his retirement Sept. 1, 1983, died July 15 at the age of 75.

Kathleen M. Nagy, clinical nurse educator at The Milton S. Hershey Medical Center since Sept. 22, 1980, died July 11 at the age of 38.

Richard J. Truscott, mason, Office of Physical Plant, from Sept. 23, 1955, until his retirement Feb. 1, 1983, died July 7 at the age of 72.

Bette G. Patton, retired associate professor of home economics extension and assistant state home economics leader, died July 3. She was 70.

A graduate of Indiana University of Pennsylvania, she received a master of science degree in extension education at Cornell University. She taught in the Ford City High School before joining Penn State Cooperation Extension as home economist in Butler County.

In 1960, Ms. Patton was appointed to supervise the home economics program in the central region. She retired July 1, 1969.

Charles W. Stoddart Jr., professor emeritus of physical education, died July 17 at the age of 83.

A graduate of Penn State with a bachelor's degree in arts and sciences, he received an M.S. in health and physical education from the University.

He joined the University faculty in 1947 and in 1948 established the Junior Conservation Camp for high school boys at the Stone valley Recreation Area. He retired Jan. 1, 1970.

A past president of the Pennsylvania State Association for Health, Physical Education, and Recreation, he also was active in community affairs, serving as chairman of the State College chapter of the American Red Cross and as a member of the State College School Board for six years.

Floyd W. Hicks, professor emeritus of poultry science extension, died July 15 at the age of 72.

Prior to joining the University faculty in 1963, he served for 16 years on Michigan State University's Cooperative Extension Service staff. He retired in 1980.

A native of Michigan, he earned three degrees from Michigan State University: a bachelor of science in 1942, a master of science in 1957, and a doctor of philosophy in 1961.

He was co-author of the *Pennsylvania Poultry Handbook*, *Poultry Science Topics* and author of numerous technical papers and popular articles. An adviser to many poultry associations, he also was a poultry consultant to the United Arab Emirates.

Dr. Hicks was a member of the Poultry Science Association, World's Poultry Science Association, Alpha Zeta, Epsilon Sigma Phi, Phi Kappa Phi and Gamma Sigma Delta societies and fraternities, and past president of the Extension Professors Association.

New parking facility a welcome sight

A construction worker (above) looks over plans for the new Blue D Staff Parking Garage nearing completion behind Eisenhower Auditorium at University Park.

The 821-space parking structure (photo at left) will provide much-needed parking to accommodate increasing faculty/staff demand during the day, and parking support for events in Eisenhower Auditorium during the evenings and on weekends. It also will house new office space for the Department of University Safety. The parking garage is expected to open the week of Aug. 17.

Photos: Greg Grieco

Bookshelf

America's obsession with winning at any cost and the popularity of steroids are discussed in the forthcoming book *Anabolic Steroids in Sport and Exercise*, edited by Charles E. Yesalis, a professor of health policy and administration and exercise and sport science.

The book, due out in August and published by Human Kinetics Publishers, is the most comprehensive book ever published on the topic. It gathers material by more than a dozen of the nation's top steroid experts to address the history and incidence of steroid use; physical and psychological effects, dependence, and treatment issues; and testing and other societal alternatives in dealing with the problem.

"Today's children look with envy at the builds of Rocky, Rambo, Hulk Hogan and the Terminator," Dr. Yesalis said. "President Bush's appointment of Arnold Schwarzenegger, who attained fame at least in part as a result of steroid use, as chair of the President's Council on Physical Fitness and Sports is yet another inappropriate message we are sending our children."

Dr. Yesalis has been a consultant to the NCAA and the NFL Players Association and conducted the first national survey on the use of anabolic steroids by adolescents. The results of his research suggest that from 5 percent to 12 percent of high school males and 1 percent to 2 percent of females, or up to 500,000 adolescents nationwide, have used steroids.

John Mourant, professor emeritus of philosophy, is co-editor of *St. Augustine—Four Anti-Pelagian Writings: On Nature and Grace; On the Proceedings of Pelagius; On the Predestination of the Saints, and On the Gift of Perseverance*, published by Catholic University Press.

The book, one in the series titled *The Fathers of the Church*, was translated and edited by Dr. Mourant and William J. Collinge of Mt. Saint Mary's College, Emmitsburg, MD.

Peter Meszaros, professor of astronomy and astrophysics, is the author of *High-Energy Radiation from Magnetized Neutron Stars*, published by the University of Chicago Press.

The book provides a general overview of the physics of magnetized neutron stars, the most extreme state of matter known to man. Dr. Meszaros, a theoretical astrophysicist specializing in the fields of high-energy astrophysics and cosmology, begins by introducing the reader to basic concepts and paradigms of neutron stars and strongly magnetized plasmas. He then devotes the second half of the book to a discussion of the latest astrophysical discoveries and theoretical ideas concerning the high-energy behavior of these objects.

"I wrote the book for researchers in the field as well as for graduate students and advanced undergraduates in physics and astronomy with an interest in the astrophysics of neutron stars," he says.

Dr. Meszaros, the author or coauthor of more than one hundred papers on the subjects of high-energy physics and stellar evolution, has been at the forefront of theoretical developments in the radiative properties of magnetized neutron stars for more than a decade.

Promotions

Staff Exempt

Kelly J. Bair, to administrative assistant in Research and Graduate School.
Clark W. Colborn, to facility project manager in Office of Physical Plant.
Karen S. Hazel, to group supervisor in Health and Human Development.
Sharon W. Hewitt, to assistant to the executive director, Reunions in Division of Development and University Relations.
Gail A. Hudson, to associate research engineer in ARL.
Josie Koll, to assistant textbook manager in Intercollegiate Athletics.
Gwenda M. Lougy, to general reference assistant in University Libraries.
Mark W. McBride, to research engineer in Research and Graduate School.
Shane S. Murray, to assistant director of Student Programs and Student Services in Student Services.
Lorraine L. Orloff, to assistant manager, Health Information Systems at Hershey Medical Center.
Mark Rubinstein, to associate director of Marketing Research and Planning in Undergraduate Education.
Jennifer S. Scipioni, to divisional coordinator at Hershey Medical Center.
James G. Sharrock, to assistant director of Student Programs and Services at Berks Campus.
Allen L. Treaster, to research engineer in ARL.

Staff Nonexempt

Sharlene Bell, to clinical head nurse at Hershey Medical Center.
Susan E. Hillbish, to coordinator, professional billing at Hershey Medical Center.
Shirley A. Kautter, to LPN/Medicine at Hershey Medical Center.
Colin L. Knowles, to shift supervisor at Hershey Medical Center.
Barbara L. Lutz, to senior research technologist in Research and Graduate School.
Janet K. Nuetzel, to administrative aide in College of Education.
Sherri L. Pozza, to clinical head nurse at Hershey Medical Center.
Sharon J. Weaver, to computer tomography radiation technologist at Hershey Medical Center.
Michael L. Trauger, to staff nurse/nurse clinician at Hershey Medical Center.

Clerical

Carol J. Ahmed, to secretary B in College of the Liberal Arts.
Tina M. Bucha, to clientele services clerk in Undergraduate Programs.
Cheryl A. Gates, to secretary B at Hershey Medical Center.
Lori A. McCracken, to clerk, transcript A in Undergraduate Education.
Patricia A. Rodkey, to secretary A at Penn State Harrisburg.
Bobbi L. Schaffer, to secretary C in Engineering.
Elizabeth A. Watson, to senior clerk, Service Inventory in University Libraries.

Technical Service

Gregory J. Andrews, to groundskeeper, Landscape A in Office of Physical Plant.
Dale H. Eckley, groundskeeper, Landscape A in Office of Physical Plant.
Joseph H. Snyder, to utility worker at Hershey Medical Center.
Shirley A. Stouffer, to maintenance worker, Utility at Altoona Campus.
Kenneth L. Stern, to utility worker in Nittany Lion Inn.
Ronald K. Stover, to heating, ventilation and air conditioning mechanic in Office of Physical Plant.
Lynn A. Wasson, to maintenance worker, A in Office of Physical Plant.

New day care center to open at University Park in August

A new day care center for infant, toddler and preschool children of University faculty, staff and students will open at St. Paul's United Methodist Church in State College on Aug. 24.

Full-time, part-time and scheduled drop-in child care services will be available from 7 a.m. to 6 p.m., Monday through Friday in the church's Education Building, 127 McAllister Street. Cost of service will be based on scheduled need and income.

"This partnership with St. Paul's is an exciting and welcome addition to the day care services already available to the Penn State community," **Mary Shiffer**, director of the University's Child Care Program Services, said.

Child Care Program Services also is offering, for the first time, an extended summer camp program for school-aged children of University faculty, staff and students.

The program will be open to eligible children age 6-13 at a weekly cost of $50 per child. It will operate from 7:45 a.m. to 5:15 p.m. Aug. 17-21, Aug. 24-28, and Aug. 31-Sept. 4.

"The need for a special program at this time of year has been felt because of the gap between the starting dates for the University and local public schools," Ms. Shiffer said. "We hope to be able to offer similar programs for those who need them on an annual basis."

For more information, or to register for the summer camp or the new day care center, please call Child Care Program Services at (814) 865-5886.

As of fall 1992, a total of eight child care programs — some run by the University and others by independent operators — will be offered at various locations throughout the Penn State system.

Grants awarded to improve undergraduate instruction

The Office of Undergraduate Education has completed the awarding of small grants for projects aimed at improving undergraduate instruction. One hundred-and-sixty-one different course projects, at University Park and in the Commonwealth Educational System, were awarded full or partial funding. By location, the funded projects include:

College of Agriculture, 16; College of Arts and Architecture, 9; The Smeal College of Business Administration, 2; College of Earth and Mineral Sciences, 2; College of Education, 4; College of Engineering, 13; College of Health and Human Development, 8; College of the Liberal Arts, 19; School of Communications, 1; Eberly College of Science, 11; Altoona Campus, 6; Beaver Campus, 3; Penn State Erie, The Behrend College, 8

Berks Campus, 2; Penn State Harrisburg, 10; Delaware County Campus, 2; Fayette Campus, 7; Great Valley, 1; Hazleton Campus, 7; The Milton S. Hershey Medical Center, 1; McKeesport Campus, 5; Mont Alto Campus, 7; Monroeville Center, 1; Ogontz Campus, 2; Schuylkill Campus, 3; Shenango Campus, 1; Wilkes-Barre Campus, 4; Worthington Scranton Campus, 4; and York Campus, 2.

The grants served a range of requests, from guest lecturers to videos to laboratory equipment. Examples of projects awarded include the funding of software used to prepare graphics to illustrate and enhance the quality of teaching of physics examples in the classroom; a field trip to a laboratory equipped with hands-on equipment for both students and instructor, and expert guest speakers who will represent diverse cultures and nations.

The source of grants, the $12,500 Fund for the Improvement of Undergraduate Instruction, supported by the Society of Teaching Award Recipients (STAR) and the Provost, was supplemented by $72,000 from the Penn State Fund for Undergraduate Education provided by the Office of the President.

MRL celebrates 30th year with symposium on synthesis

The Materials Research Laboratory at University Park will celebrate its 30th anniversary on Aug. 18-19, with a symposium on materials synthesis.

MRL is recognized worldwide as the leader in inorganic materials research and especially for its successes in materials preparation including synthesis and processing. The faculty has developed research areas that have become entire fields, including sol-gel science, new electroceramics, diamond science and technology, electrically active composites, radioactive waste solidification, nanocomposites, smart materials and biomimetic prostheses.

"Materials Preparation and Characterization, PSU-MRL: Pioneers in Synthesis and Processing" will focus on contributions of alumni and corporate and government supporters of the Laboratory. Presentations will begin at 8:15 a.m. Aug. 19 at the MRL Building with an overview of MRL's history and its impact on national materials research. The morning will conclude with highlights of 30 years of research.

The Laboratory's national impact through alumni achievements will be the focus of an afternoon session, followed by MRL's model for relating to industry. Over the years more than 100 companies have supported the Laboratory including participation in five industry consortia.

MRL attracts support from international companies; has carried out cooperative research with various other countries, and established in-depth links with Japanese science and technology.

A special bridge builder award will be presented to **Kikuo Wakino** of Murata Erie, State College, in honor of his long association and support of MRL. A memorial also will be dedicated to three of MRL's founding staff members, **Isabel Carson**, administrative aide, **Robert Wilson**, crystal grower/laboratory machinist, and **Bradley J. Wilt**, assistant to the director.

The Rustum Roy Innovation by Integration Fund will be launched at 6 p.m. Aug. 19 during a banquet at the Nittany Lion Inn. One activity of the Fund will be to hold an annual lecture/symposium on interdisciplinary integrative learning and research.

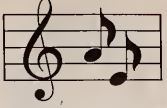
In addition to MRL's senior faculty, guest speakers at the symposium will include **William Harris**, assistant director of the National Science Foundation; **Clifford L. Jones**, former secretary of the Commonwealth of Pennsylvania departments of Commerce, Labor and Environmental Resources; **David Shirley**, dean of the Graduate School and senior vice president for research, and **William Taylor**, director of Intercollege Research Programs.

The first interdisciplinary, intercollege laboratory in materials science not based on government agency funding, MRL was established in 1962 by **David R. Mitchell**, dean of the College of Mineral Industries (now the College of Earth and Mineral Sciences). MRL was moved in 1963 to the Institute for Science and Engineering. The MRL facility is a 70,000-square-foot building built in 1969 through funding from the National Science Foundation.

Through the years, MRL has been first in emphasizing ceramics over metals and semiconductors; organizing national and international meetings in the area; founding and editing four journals, and organizing the major materials professional organization, the Materials Research Society.

For further information on the symposium contact **Sandra McBride** at 865-3820.

Penn State songbook



A new songbook containing six Penn State songs is available through the Penn State Bookstore at University Park. The book is a project of the School of Music undertaken by the Singing Lions.

The book includes "Alma Mater," "The Blue and White," "Victory," "The Nittany Lion," "Fight on State," and "Hail! Oh Hail!" The words, melody line and piano accompaniment are included for each song.

Proceeds from the sale of the songbook will benefit the scholarship funds of the School of Music.

Thesis exhibitions

Darrell Johnson, master of fine arts candidate, will present his thesis exhibitions, "Post-Lorraine Condition: An Expression of the Dynamics of Transcultural Existence" Saturday, Aug. 1, through Friday, Aug. 7, in Zoller Gallery and Saturday, Aug. 1, through Wednesday, Aug. 12, in the Robeson Cultural Center at University Park.

Mr. Johnson received a bachelor of fine arts degree from The Savannah College of Art and Design, Savannah, Ga. He has exhibited his paintings and mixed media works at the Robeson Cultural Center, Zoller Gallery and the HUB Galleries. In 1991 he was commissioned to paint the mural "Hallmarkings" at Legg Mason, Inc. in State College. He also has shown his work in numerous exhibitions in Georgia, New York City and London.

There will be closing receptions Aug. 12 from 5:30 to 7:30 p.m. in the Robeson Cultural Center and Zoller Gallery. Zoller Gallery is located in Room 101 of the Visual Arts Building. Summer hours are from 10 a.m. to 4 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Art-to-Go

During August the lobby display in the Calder Way and Allen Street office of Peoples National Bank in State College will exhibit an earthenware vessel of the Chimu culture of ancient Peru.

The vessel, from the permanent collection of the Palmer Museum of Art, is shaped like a squash and has a characteristic stirrup spout. The piece is black earthenware, which dates it to the height of the Chimu culture, 1100-1400 A.D. The Chimu culture extended along the Pacific coast of Peru.

As part of the continuing exhibit, Art-To-Go, the public is invited each month to view different works of art from the Museum's permanent collection at People's National Bank. Funding for Art-To-Go is provided by the Friends of the Palmer Museum of Art.

Oil paintings

"Severed Moments," an exhibition of oil paintings by Kenneth Miller, is on display in Pattee Library's West Lobby Gallery until Aug. 30.

His work explores the fragmentation of time and space and involves shaped canvases, surface manipulations and stark contrasts of light.

ARTS AT . . .

Wilkes-Barre Campus

Approximately 70 craftspersons will exhibit and sell wares at the eighth annual Summer Festival Arts and Crafts Show from 11 a.m. to 6 p.m. Sunday, Aug. 30, at the Penn State Wilkes-Barre Campus.

The event will feature all types of crafts, art work, theatre, demonstrations, story telling and music. Live entertainment will include a folk rock group, a showcase theatre presentation, and a magician.

For more information, contact Penn State Wilkes-Barre at (717) 675-2171.

University Park Calendar

August 6—23

Special Events

Thursday, Aug. 6

■ International Geographical Union Commission on Climatology, through Aug. 8.

"Diversions," noon, Fisher Plaza. Andrew Jackson.

Adult Student Fair, 6-8 p.m., Keller Cont. Center Lobby. Refreshments served, child care provided. Call 863-3887 or 865-3443.

Sunday, Aug. 9

Shaver's Creek, 8:30-10:30 p.m., Summer Stargazing III. (Cloud Date: Monday, Aug. 10). Call 863-2000.

Tuesday, Aug. 11

■ 8th World Congress for Rural Sociology, through Aug. 16. "Rural Society in the Changing World Order."

Wednesday, Aug. 12

Penn State Turfgrass Field Days, through Aug. 13. For information call, 863-7644 or 863-3475.

Friday, Aug. 14

Lecture, 11 a.m., 232 Hammond. Koichi Kaimoto, NEC Corp., Japan, on "Three-Dimensional Flow of Molten Silicon Having Low Prandtl Number: Turbulent or Ordered Structure?" Refreshments, 10:45 a.m., 233 Hammond. For information, 863-0134

Saturday, Aug. 15

Summer Session Commencement, 10:30 a.m., Undergraduate and Associate, Rec Hall; 2 p.m.: The Graduate School, Eisenhower Aud.

Shaver's Creek, The Honey Factory, 1-2:30 p.m. Call 863-2000.

Sunday, Aug. 16

Shaver's Creek, Wild Mushroom Walk, 2-4 p.m. Call 863-2000.

Tuesday, Aug. 18

Ag Progress Days, through Aug. 20.

Saturday, Aug. 22

Arrival day for new students.

Sunday, Aug. 23

Arrival day for continuing students.

Conferences

Aug. 6-8. Transportation Research Board, 65 attendees; Nittany Lion Inn; Michael Patten, chair; Chuck Herd, coordinator.

Aug. 10-12 Computational Methods in Stormwater Management; 20 attendees; Hampton Inn; Thomas Seybert, chair; Barb Impellitteri, coordinator.

Aug. 12-14 Statistics for Productivity; 20 attendees; Atherton Hilton; M. Jeya Chandra, chair; Jack Sinclair, coordinator.

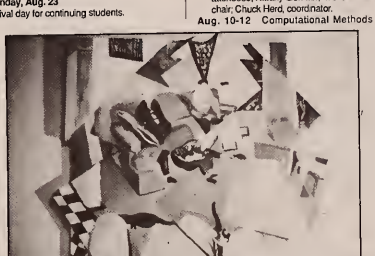
Aug. 16-21. ACSM Health/Fitness Instructor Certification; 20 attendees; Hampton Inn/Best Western; P. McGuigan-Kenney, chair; Eric Loop, coordinator.

Aug. 17-20 Elements of Mine Electrical Systems; 12 attendees; Nittany Lion Inn; Robert Frantz, chair; Barb Impellitteri, coordinator.

Aug. 18-21. Plant Biotechnology Methods; 12 attendees; Days Inn; K. Rashid, chair; Jem Milsom, coordinator.

Aug. 19-21. Earth Systems Science Workshop; 65 attendees; Days Inn/Atherton Hilton; Eric Barron, chair; Jack Sinclair, coordinator.

Aug. 20-21. Pennsylvania Tele-Teaching; 100 attendees; Nittany Lion Inn; Daniel Pfaff, chair; Kathy Karchner, coordinator.



"Severed Moments," an exhibition of oil paintings by Kenneth Miller, is on display in Pattee Library's West Lobby Gallery until Aug. 30.

Public Radio

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

Seminars

Thursday, Aug. 6

Computer Science, 4 p.m., 325 Whitmore Lab. Hans Ulrich Simon, Univ. of Dortmund, on "Robust Trainability of Single Neurons."

Exhibits

Pattee Library

West Lobby Gallery:

Kenneth Miller, "Severed Moments," an exhibition of oil paintings, through Aug. 30.

Rare Books Room:

Pochoir: Color illustration by Stencil, through Aug. 14.

Zoller Gallery

Darrell Johnson, master of fine arts candidate, will present his thesis exhibitions, "Post-Lorraine Condition: An Expression of the Dynamics of Transcultural Existence", Aug. 1-7, and in the Robeson Cultural Center, Aug. 1-12.

TIPS

Information Penn State

Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an international perspective

APPOINTMENTS

Debora Cheney has been appointed head of the Documents/Maps Section in the University Libraries' Humanities and Social Sciences Department. She will provide leadership related to librarywide use of government documents and maps, including responsibility for reference services, instructional programs, collection development, and materials processing.

Ms. Cheney joined the Libraries' faculty as a documents librarian/cataloger in February 1990 and had served as acting head of the Documents Section since October 1991. Before coming to Penn State, she held the position of reference librarian and microcomputer support coordinator at Bucknell University.

Ms. Cheney earned a bachelor of arts degree in political science from Penn State and a master of library science from the University of Pittsburgh School of Library and Information Science.

Terri L. Dowdy, former School of Communications financial officer, has been named financial officer for the University libraries.

Terri L. Dowdy

In the new position, she has the expanded responsibility of controlling the multi-million dollar budget of the University Libraries; approving all expenditures, personnel and income documents, and assisting in preparations of the Libraries strategic plan.

A native of Pittsburgh, Ms. Dowdy received a bachelor's of science degree from Penn State in 1984.

She has earned several promotions since joining the University staff in 1985 as an auditing assistant in the Auditing Department. Advancements have included assistant accountant, assistant accountant on special assignment as acting financial officer in the School of Communications, and financial officer in the School of Communications.

Ms. Dowdy is assistant treasurer and a member of Unity Church of Jesus Christ, State College. She also is a recording artist who has recorded commercial radio jingles and performed throughout the eastern United States.

Steven Herb has joined the University Libraries' faculty as education librarian. His primary responsibility is to oversee the operations of the Education Library which houses curriculum-based materials and children's literature.

Prior to joining the Libraries, Dr. Herb was the coordinator of Children's Services at the Dauphin County Library System where he created and coordinated children's programs, services, and materials (infant through young adult) for nine libraries in the county system.

Dr. Herb has written several publications and serves as a feature writer for "The Children's Bookshelf" in *Apprise Magazine*. He also serves on the editorial committee for the *Journal of the Children's Literature Council of Pennsylvania* and reviews books for the *Horn Book Guide*. In addition, he produces and co-hosts "Currents and Classics for Kids," a weekly children's book review program on WHP-FM in Harrisburg.

A Penn State alumnus, Dr. Herb earned a B.S. in special education, a M.Ed. in early childhood education, and a D.Ed. in curriculum and instruction. He also earned a master of science in library science from Clarion University.

Nancy L. Herron has been named director of academic affairs at the Penn State McKeesport Campus.

She has served as acting DAA since Oct. 1, 1991. Prior to her appointment, Dr. Herron was administrative fellow in the Office of the President.

An associate librarian in the University's Campus Libraries Division, she served as head librarian at the McKeesport Campus from 1984 to 1990.

Dr. Herron has taught at the University of Pittsburgh and has served as director of library services for the Wilkinsburg and Delmont public libraries. She has been a consultant and lecturer at the University of Jerusalem and at several universities throughout the Peoples Republic of China.

She has served on numerous community, campus, and University committees, including chairing the Adult Learner Task Force and Facilities Expansion Committee at the McKeesport Campus.

Dr. Herron earned a bachelor's degree in education from Indiana University of Pennsylvania, and master's degrees in library science, both from the University of Pittsburgh.

She is the editor of two books: *The Leisure Literature: A Guide to Selected Sources in Leisure Studies, Fitness, Sport, Travel and Tourism* (1992), and *The Social Sciences: A Cross-Disciplinary Guide to Selected Sources* (1989). She also has two books in progress and has been published in numerous journals and texts.

Dr. Herron received the Fulbright Award/Professional Librarian Award, 1990-91, for her publication, "Development of a Professional Guide to the Literature of Leisure as a Growth Industry."

Nancy L. Herron

Bonnie MacEwan has joined the University Libraries as coordinator for collection development. She is responsible for providing leadership and guidance for the growth and direction of the Libraries' collections in support of the University's educational and research programs.

Ms. MacEwan previously was the art, archaeology, and music librarian and chair of the collection development committee at the University of Missouri, Columbia.

Her professional memberships include the Association of College and Research Libraries, the Association for Library Collections and Technical Services, and the Reference and Adult Services divisions of the American Library Association. She also is a member of the Art Libraries Society of North America, the Missouri Library Association, and the Missouri Association of College and Research Libraries.

Bonnie MacEwan

Ms. MacEwan earned a master of arts degree in librarianship from the University of Denver and a bachelor of arts degree in English from Whittier College.

Thomas W. Steck, has been appointed supervisor of administrative services at Penn State Harrisburg.

Mr. Steck, a former customer support representative for IBM, will oversee a number of operations, including serving as the database administrator, supervising clerical and wage payroll employees and providing software training to facilities and maintenance employees.

He holds a bachelor of business administration from Penn State Harrisburg.

Thomas W. Steck

World Congress for Rural Sociology to meet at University Park

More than 650 social researchers from all corners of the globe will converge upon University Park for the eighth World Congress for Rural Sociology, Aug. 11-6. "Rural Society in the Changing World Order" is the event's theme.

The congress will be followed by the 55th annual meeting of the Rural Sociological Society, Aug. 16-19. The event's theme will be "Rurality and the Global Environment."

Discussions will cover a wide range of topics, including agrarian reform and social changes in Eastern and Central Europe; rural development strategies for the Baltic Republics; the quality of life for older rural women; relationships between urban and rural communities; international development assistance; rural tourism and agricultural quality; rural families in transition, and land reform.

"Rural sociology studies relationships among people and the standards of living in rural areas around the world," **Kenneth Wilkinson**, distinguished professor of rural sociology in the College of Agricultural Sciences and coordinator of local arrangements for the two events, said.

"Most rural sociologists currently are focusing on issues of rural development and change," he added. "They use social science methods to understand rural needs related to poverty, agricultural policy, environmental concerns and other issues."

The World Congress for Rural Sociology is sponsored by the International Rural Sociology Association, a global consortium of regional and continental societies in rural sociology formed in 1964. The group holds a congress every fourth year.

CARPOOLER

Lynn is looking for a carpool from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-6713.

PRIVATE GIVING

Bequest adds $3.3 million

The University has received a $3.3 million bequest from the estate of **Mary K. Sunderlin**, a long-time benefactor and daughter of a prominent engineering alumnus.

Mrs. Sunderlin, who died last year in Delray Beach, Fla., at age 80, left $2.55 million for programs at the Hershey Medical Center. The remaining funds were designated to endow a faculty chair in the College of Engineering in memory of her father, **Bayard D. Kunkle**, a 1907 graduate of the college and one-time vice president of General Motors.

The bequest is the second-largest ever received, surpassed only by a $5.6 million gift in 1985.

The bequest is the second-largest ever received by Penn State, surpassed only by a $5.6 million gift from the estate of alumnus **Homer Braddock** in 1985. That gift endowed scholarships for science students.

"Mrs. Sunderlin shared her father's deep affection for Penn State, and we are deeply grateful to her for remembering the University in a way that will benefit humanity for generations," **President Thomas** said. "Her gift will provide critical support for some of our most important programs."

Mrs. Sunderlin directed that her bequest support biomedical research at the Hershey Medical Center.

"Mrs. Sunderlin recognized the need for continued biomedical research and actively supported our efforts in this field during her lifetime," **C. McCollister Evarts**, senior vice president for health affairs and dean of the College of Medicine, said. "Her generosity will have a lasting impact on the scope and quality of our research."

The Bayard D. Kunkle Chair in Engineering will supersede the Kunkle Professorship which Mrs. Sunderlin established in 1986 with a $250,000 gift. Chairs are among the highest forms of faculty recognition. Income from the endowment typically is used for such purposes as the chair holder's salary, teaching innovations, research activities and graduate assistantships.

Mrs. Sunderlin's previous support of the College of Engineering included a gift to help establish the Kunkle Activities Center in 1979. The center promotes out-of-class interaction between students and faculty.

Bayard Kunkle established the family's philanthropic ties with Penn State in 1946, when he created a student loan fund to aid married veterans. After his death in 1953, his widow, Ethel — Mary Sunderlin's mother — converted the loan fund to a scholarship endowment for needy students and substantially increased its principal. The Kunkle scholarships, which include a separate fund for Penn State Commonwealth Campus students, are now the University's largest privately endowed sources of student aid and have disbursed about $2 million to more than 5,000 undergraduates.

Mrs. Sunderlin, an Ohio native, was a 1933 graduate of Ohio State University. She was married to Donald Sunderlin, a graduate of Rensselaer Polytechnic Institute, who died in the mid-1970s.

CEO commits $550,000 to two Smeal College professorships

Robert G. Schwartz, president, chairman and chief executive officer of Metropolitan Life Insurance Co. and a Penn State alumnus, has committed $550,000 to the University.

Mr. Schwartz will create two professorships in The Smeal College of Business Administration, each having $250,000 endowments. He will designate specific fields for these professorships at a later date.

The remaining $50,000 will go for the Academic/Athletic Convocation and Events Center. The University has now raised nearly $19 million toward the $20 million in private support it is seeking for the facility, a multipurpose arena that is expected to open in 1994-95. The state has allocated an additional $33.8 million for the project.

Mr. Schwartz graduated from Penn State in 1949 with a degree in commerce and finance. He has spent his career with Met Life, starting as an auditing assistant and rising through the ranks until assuming his present duties in 1989. He holds an MBA degree from New York University.

He has long been involved with Penn State. He is a member of The Smeal College's Board of Visitors, and in 1986 he and his wife, Caroline, endowed a faculty fellowship in the college with a $100,000 gift.

Mr. Schwartz also serves on the National Development Council, the University's highest-level fund-raising advisory body, and was a member of the executive committee of The Campaign for Penn State, which provided volunteer leadership for a $352 million fund-raising effort. In 1983 he was named a Distinguished Alumnus of the University and in 1985 he was honored as an Alumni Fellow.

Mr. Schwartz also is a director or trustee of CS First Boston, Communications Satellite Corp., Consolidated Edison of New York, Lowe's Companies, Mobil Corp., Potlatch Corp., and the Reader's Digest Association.

He is a member of the Business Council and the Business Roundtable, and serves on the boards of the American Council of Life Insurance and the Business Council of New York State. He is a trustee of the Committee for Economic Development, the Economic Club of New York and the Foundation for the Malcolm Baldrige National Quality Award. From 1982 to 1984, he served as a member of the President's Export Council.

Union pledges $100,000 to construct and equip Mateer Building at University Park

The Hotel Employees and Restaurant Employees International Union has pledged $100,000 to help the University build and equip the new Mateer Building on the University Park Campus for the School of Hotel, Restaurant and Recreation Management (HRRM).

Construction has begun on the 35,000-square-foot structure, located near Keller Conference Center along Park Avenue. The building will house the school's dining room, production and research kitchens, classrooms, technology center, auditorium, conference room, hospitality information systems laboratory, and offices.

The College of Health and Human Development is raising $4 million in private funds for construction, plus $1 million for equipment. Including a $2.1 million University allocation, about $5.7 million has been secured toward a total goal of $7 million.

HRRM enrolls about 800 students, and the school's curriculum includes fourth-year courses examining the relationship between the hospitality industry and unionized employees.

Washington, D.C.-based H.E.R.E. International Union has approximately 300,000 members in the United States, Puerto Rico and Canada.

Campus receives biomedical equipment

The Penn State New Kensington Campus has received a donation of biomedical equipment from SpaceLabs, Inc., one of the world's largest suppliers of patient monitors and clinical information systems.

The equipment will support the associate degree program in Biomedical Equipment Technology offered at the campus. It includes two comprehensive patient monitoring systems and an eight-function vital signs printer.

"With the addition of this new equipment," noted Scott Segalewitz, assistant professor of engineering, "the New Kensington Campus now has the capability to run a fully-functional five-bed intensive care unit and operating room. We are very pleased that SpaceLabs identified us for this valuable donation."

"With the addition of this new equipment, the New Kensington Campus now has the capability to run a fully-functional, five-bed intensive care unit and operating room"

Scott Segalewitz
assistant professor of engineering

This is the first donation SpaceLabs, Inc. has made to an educational institution. Company representatives are hoping to continue donating equipment on an annual basis to institutions involved in training biomedical equipment technicians. SpaceLabs also has a national scholarship program and recently awarded one of five $1,000 awards to New Kensington Campus student **Frank Opice**.

Biomedical Equipment Technology graduates are trained to install, service, maintain and program all types of electronic and computerized medical equipment. The program has been in place at the New Kensington Campus since 1977 and is one of only six accredited programs in the United States.

PARTINGS

Number of employees retire

Fayne M. Abel, accounting aide, Engineering, from Sept. 20, 1976, until July 1.

Robert G. Baily, assistant professor of medicine, Hershey Medical Center, from July 1, 1982, until July 1.

Richard R. Barto, security supervisor at Hershey, from April 1, 1978, until June 1.

Gregory J. Baumes, assistant professor of business law, McKeesport Campus, from Sept. 1, 1977, until June 1.

Linda K. Bolton, professional billing coordinator at Hershey, from Nov. 1, 1970, until March 1, 1974; from Aug. 1, 1975, until June 18, 1977; and from Jan. 28, 1981, until May 31.

E. Allan Brawley, professor of social work, Liberal Arts, from Sept. 1, 1978, until July 1.

Mary C. Coker, residence hall worker, Altoona Campus, from March 19, 1979, until July 11.

James M. Combs, instructor, business law and accounting, Penn State Harrisburg, from Sept. 1, 1979, until July 1.

Clair E. Crone, bookstore manager at York Campus, from Oct. 7, 1981, until May 1.

Nancy J. Gutshall, operating room assistant at Hershey, from Sept. 12, 1977, until May 27.

Gilbert H. Hoffman, senior research associate, Applied Research Laboratory, from Sept. 1, 1976, until June 30.

Harold R. Homan, plasterer, Office of Physical Plant, from March 17, 1980, until June 1.

Delores J. Koppes, residence hall worker at Penn State Behrend, from Sept. 1, 1981, until June 6.

Elizabeth J. Light, practice manager at Hershey, from March 14, 1978, until May 10.

Patricia McGuigan-Kenney, fitness program coordinator, Intercollegiate Athletics, from July 1, 1981, until July 1.

Lewis C. Needles, landscape worker/mechanic, Delaware County Campus, from July 14, 1980, until July 16.

Dora M. Noel, clerk, accounting A, Commonwealth Educational System, from Sept. 1, 1972, until July 1.

Emma Stoudt, laundry worker, Hershey Medical Center, from June 28, 1982, until July 1.

Kenneth E. Wance, maintenance worker utility, Applied Research Laboratory, from Jan. 21, 1976, until June 30.

Mary C. Watkins, guard, Applied Research Lab, from Oct. 24, 1971, until Feb. 20, 1972, and from March 14, 1978, until March 17.

Mark E. Weikel, storeroom clerk C at Hershey, from Jan. 29, 1974, until May 30.

Professor emerita of materials science ends long-standing career

Della M. Roy

Della M. Roy has retired as professor emerita of materials science. She has been at Penn State since 1948, when she entered the graduate program in mineralogy. She holds a B.S. in chemistry from the University of Oregon, and M.S. and Ph.D. in mineralogy from Penn State.

Dr. Roy's work has been conducted primarily in the Materials Research Laboratory, where she established the largest cement and concrete research group at any American university. The group's focus on the chemistry of cement and chemically bonded materials led to important achievements in the development of new highway materials, development of artificial bones, and the use of cement and concrete in immobilizing radioactive waste. She founded and continues to edit the journal *Cement and Concrete Research*.

Dr. Roy was elected as a member of the National Academy of Engineering in 1987, the third woman ever to receive this honor. She is a Fellow of the Mineralogical Society of America, the American Association for the Advancement of Science, the American Ceramic Society, and the American Concrete Institute, and an Honorary Fellow of the Institute of Concrete Technology. Among her honors are the American Chemical Institute's CANMET Award for her outstanding contributions to the fundamental knowledge of slag.

She has served on innumerable boards and committees of the National Research Council, National Science Foundation, Department of Energy, and the professional societies in her field. She currently is a trustee of the American Ceramic Society, a council member of the Materials Research Society, a member of the executive committee of the National Research Council Transportation Research Board, and a member of the Academic Advisory Board of the National Academy of Engineering.

At Penn State, Dr. Roy has been an important role model for women in science and engineering. For many years she was the University's only woman full professor in any engineering discipline, and became formal and informal adviser to large numbers of female graduate students and post-doctoral researchers.

In retirement she expects to continue her research.

Berks Campus counselor retires after 25 years of service

Robert L. Shuman

Robert L. Shuman, financial aid officer/counselor at the Penn State Berks Campus, has retired after 25 years service.

Mr. Shuman joined Penn State in 1966 after serving as a guidance counselor for Conrad Weiser High School in Reading. He served as director of student programs and services at Berks Campus from 1966 to 1986. He also has taught secondary English and history, worked as a reporter for the Chambersburg Public Opinion, and served the U.S. Army Security Agency in South Carolina, Massachusetts, and Germany.

He holds a bachelor's degree in education from Shippensburg State College, and a master of education degree from Penn State. Additionally, he holds a permanent Pennsylvania certificate in teaching for secondary English, social studies, and geography, as well as guidance counselor certification. He is a member of the Berks Area Counselors Association, the Pennsylvania Association of Financial Aid Administrators, and the Lehigh Valley Financial Aid Administrators.

Mr. Shuman and his wife Pauline have two children, Daniel L., and Celia D. ('84). In retirement, he plans to counsel part-time, travel and spend time with family.

Assistant to the dean in H&HD bows out after 28 years as University employee

David S. Brassington, assistant to the dean for administrative services in the College of Health and Human Development, has retired after 28 years service.

He began his career as a budget accountant in Old Main, and spent nearly 25 years as a member of the dean's staff in the former College of Human Development and current College of Health and Human Development.

Mr. Brassington joined the University staff in 1963. In 1967, when the College of Human Development was established, he became its first financial officer. Later he was promoted to financial officer and coordinator of administrative services, which included responsibility for the college's facilities and personnel functions. In 1978 he was named assistant to the dean for administrative services, a position he has held ever since.

He has worked for seven different deans and twice helped set up the support services for newly created colleges. In recent years he has participated in college-level planning, serving on a number of groups that advised the dean. In 1987 he also became the college's facilities coordinator.

In retirement, he plans to continue collecting and selling antiques, and to spend several months each year on the Outer Banks of North Carolina.

His son, Ken, earned a bachelor's degree in psychology in 1990 from Penn State, and Emily is a Division of Undergraduate Studies student planning to major in English at the University.

Focus on Research

Gerson Rosenberg

William Pierce

Hershey researchers develop wireless artificial heart that kept calf going for four months

The era of the wireless artificial heart has arrived, despite the death of a six-month-old calf named Winston.

On March 24, the calf became the long-term recipient of the plastic and metal heart developed at The Milton S. Hershey Medical Center. It died July 22.

Gerson Rosenberg, principal investigator of the electric total artificial heart project at the Medical Center, said the calf's infection wasn't caused by a defect of the heart. He said the research team found no problems when they examined the device which Penn State researchers hope will someday, perhaps by the end of the decade, become a permanent replacement for a failing human heart.

"Everything looked fine. We've been very happy with the performance of the device whose electronics are miniaturized and totally implanted," said Dr. Rosenberg, research professor of surgery and professor of bioengineering. "We learned a lot from Winston."

"It's an important step in the development of a clinically useful artificial heart," says co-investigator William Pierce, professor of surgery and chief of the Division of Cardiothoracic Surgery. "It reaffirms our group's leadership role."

The heart is powered by an external battery kept near the recipient. Energy is transmitted from the battery across the skin by a pair of electric coils. A four-inch-long coil lays on the skin and transmits energy to a three-inch-long coil implanted under the skin. This energy is then used by an implanted electronic control system to power the small electric motor that provides the moving force for the blood pump. A tiny battery, housed in the same container as the electronics, provides about 30 minutes of operation when the external coil is removed.

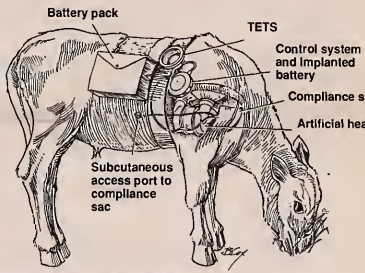
Before human clinical trials become a reality, the group will have to run the electric heart through its paces, beginning with additional testing on a mock circulation system that was used to verify the operation of the device before it was implanted in animals.

"We'll have to do device readiness testing," Dr. Rosenberg says, which entails testing the heart as if it were pumping within a person's chest. "We will have to run 10 to 20 of these devices, running each one continuously for one to two years, looking for failures and trying to predict the reliability of the system. This will probably take four years."

Dr. Rosenberg says the team's initial goal is to develop a wireless, electric total artificial heart that will last for two years, and with further development as long as five—which is the current average survival time for heart transplant patients.

The only artificial heart currently approved by the federal Food and Drug Administration for humans is the air-driven Penn State artificial heart, which is sanctioned for use only as a temporary bridge to a transplant.

Winston, shortly after his March implant



A drawing of the wireless artificial heart and its control devices as they were implanted in Winston.

The National Institutes of Health currently funds four groups to develop a permanent artificial heart; the Penn State team; the University of Utah; a private company, Nimbus, working with the Cleveland Clinic; and Abiomed, a company collaborating with the Texas Heart Institute. Researchers at the Baylor College of Medicine also are pursuing implantable permanent artificial hearts.

In December, another Medical Center calf, Holly, set a new record after spending 388 days on a Penn State electric total artificial heart that used wires running through her skin to an external electronic controller. Holly was the longest surviving animal on any kind of artificial heart. Still, Dr. Rosenberg sees the next step for a human artificial heart lies in the current model that was implanted in Winston.

"I don't feel there's much advantage in having an electric heart with the wires attached through the skin," he says. "Even though they're small, and considerably less bulky than the air-driven device, I think it's feasible to run the system entirely implanted. If you do that, theoretically, you eliminate much of the potential for infection."

Dr. Rosenberg says that persons implanted with such a device would carry a battery pack over the shoulder with two five-pound batteries, each one lasting for four to five hours.

He cautions that while a wireless artificial heart poses a lesser threat of infection than previous models, it still remains a potential complication because of the body's limited ability to fight infection on any foreign surface.

Blood clots may present problems as well, although careful design and the use of Biolon, a medical polyurethane manufactured by DuPont, can reduce the risk, the researchers say.

According to Dr. Pierce, the nation's demand for heart transplants exceeds its supply by about 10 to 1. Roughly 20 percent of heart transplant patients die before they can get on a waiting list, he notes, and while some 2,000 persons received transplants last year, another 2,000 remain on a waiting list.

The Institute of Medicine estimates that between 35,000 and 70,000 patients a year could be helped by permanent artificial hearts and left ventricular assist devices, which aid ailing left ventricles in pumping blood.

— Steven Benowitz

STAFF VACANCIES

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until **5 p.m. Thursday, August 13. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 00070, Supervisor, Airport Operations, Business Services, University Park Airport, University Park Campus — Responsible to the airport manager for the overall supervision of aircraft maintenance, line service functions, proper operations and/or care of all airport grounds, buildings, facilities and equipment, airport security, weather station functions, and for aircraft rescue and fire fighting. Requires bachelor's degree, or equivalent, in airport administration, engineering, or related field, plus one-to-two years of effective airport/land-base operations management experience. Must have demonstrated ability in leadership and training of other personnel. Must be capable of obtaining and maintaining qualification as an aircraft fire fighter, certified weather observer, fire safety and certification in F A A fuel training in fire safety. SPEC GRADE 22

■ 00073, Environmental Analyst, College of Engineering, Nuclear Engineering, University Park Campus — Responsible to the supervisor, Low Level Radiation Monitoring Lab, and faculty member for conducting low level radiation monitoring and neutron activation analysis, for performing various lab procedures, for collecting and recording report data, and providing general laboratory support in the Low-Level Radiation Monitoring Laboratory. Ensure that analyses are carried out in accordance with procedures. Requires bachelor's degree, or equivalent, in chemistry or related field and six months to one year effective experience in an analytical laboratory environment. This is a fixed-term position funded for one year from date of hire with the probability of re-funding. SPEC GRADE 17

■ 00074, Construction Quality Representative (Mechanical), Office of Physical Plant, Hershey Medical Center — Responsible to the project manager, Contract Administration, for the inspection of construction projects and day-to-day related coordination and monitoring of work being performed by prime contractors and their sub-contractors at the Hershey Medical Center. Consult with project design professionals to coordinate the work, account for the job progress and the dollar amount of work completed on a monthly basis. Requires associate degree, or equivalent, plus two-to-four years of effective hospital construction and renovation experience at a supervisory level. This is a fixed-term position funded for one year from date of hire. SPEC GRADE 19

■ 00075, Coordinator, Campus Residential Life, Student Programs and Services, Altoona Campus — Under the supervision of the director of student programs and services, performs the following duties: Assist supervisor in determining policies and procedures for supervision and coordination of residence hall areas. Counsel individual students. Assist supervisor in the development of programs for residence hall areas. Oversee the daily organization and operation of the residence hall area and the residence hall staff. Requires bachelor's degree, or equivalent, plus at least one-to-two years of effective experience or a master's degree, or equivalent, in student personnel or related field with three-to-six months of residence hall experience. NOTE: The coordinator is required to maintain residence in the Altoona Campus residence hall. SPEC GRADE 18

■ 00076, Library Assistant, University Libraries, Beaver Campus — Responsible for overseeing various library operations at campus location; for providing reference assistance to patrons; for coordinating campus audiovisual services, and for supervision library personnel. Requires associate degree in a technical or administrative program, specialized training of over eighteen months and up to three years or equivalent knowledge plus a minimum of one-to-two years of effective experience. NOTE: Occasional evening and/or weekend hours. SPEC GRADE 16.

■ 00085, Science Writer, Senior Vice President for Research and Dean of the Graduate School, Pennsylvania Transportation Institute, University Park Campus — Responsible to the director, Mid-Atlantic Universities Transportation Center (MAUTC), for technical report preparation, public information articles, brochures, and reports, and other project monitoring and support functions. Requires bachelor's degree, preferably in journalism or English, plus one-to-two years of effective experience in science writing or related field. Knowledge of WordPerfect and Lotus 1-2-3 desirable. Excellent oral and written communication skills required. This is a fixed-term position funded through June 30, 1993, with strong probability of re-funding. SPEC GRADE 18.

■ 00086, Science Writer, Senior Vice President for Research and Dean of the Graduate School, Pennsylvania Transportation Institute, University Park Campus — Responsible to the information specialist for the proofreading, layout, editing, formatting, and production tasks associated with various research publications. Requires bachelor's degree, preferably in journalism or English, plus one-to-two years of effective experience in science writing or related field. Knowledge of WordPerfect and Lotus 1-2-3 desirable. Excellent oral and written communication skills required. This is a fixed-term position funded through June 30, 1993, with strong probability of re-funding. SPEC GRADE 18.

■ 02339, Microcomputer Systems Consultant, Computer and Information Systems, Center for Academic Computing, University Park Campus — Responsible to the manager of consulting and applications software for providing training and consultative support services to the University on UNIX operating systems. Requires bachelor's degree or equivalent, in computer science, electrical engineering or a related field, and one-to-two years of effective experience and a strong working knowledge of UNIX systems with strength in at least one of the following areas: MAC's, IBM PC's, or networking. Experience with System 7, DOS, Windows, VM/CMS, and word processing and spreadsheet packages is important. Excellent verbal and written communication skills, including the ability to communicate technical information to non-technical audiences, and demonstrated organizational abilities are essential. SPEC GRADE 19. THIS IS A RE-ANNOUNCEMENT. PREVIOUS APPLICANTS NEED NOT APPLY

■ 00076, Jr. Engineering Aide, Applied Research Laboratory, University Park Campus — Responsible to the project engineer or designated senior engineering aide for assistance in the fabrication, testing, installation, operation, and maintenance of non-standard electronic or mechanical parts, components, and equipment. Requires associate degree, or equivalent, in electrical or mechanical engineering technology program, and more than three months of effective experience. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required. SPEC GRADE 16

■ 00077, Engineering Aide, Applied Research Laboratory, University Park Campus — Responsible to the project engineer or senior engineering aide for the layout, design, fabrication, and construction of standard electronic or mechanical components and equipment. Assist in conducting tests and with the collection, compilation and analysis of test data. Requires associate degree, or equivalent, plus two-to-four years of effective experience in the design and fabrication of experimental equipment. Position may require travel on field assignments including assignments aboard ships at sea. U.S. citizenship required. SPEC GRADE 18.

Hershey

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by August 13.

■ H404, Assistant Director of Nursing, Nursing Administrative Systems, College of Medicine, University Hospital, Department of Nursing — Responsible to the director of nursing for the organization, development, implementation and operation of various nursing administration systems as well as the interpretation and analysis of obtained data upon which to supply information and make administrative decisions. Requires a master's degree in nursing, licensure to practice as a registered nurse in Pennsylvania, plus three-to-four years of experience in effective systems management. Doctorate is preferred. STAFF EXEMPT, GRADE 8.

■ H447, Manager, Health Information Services — Responsible to plan, organize, direct and control all Health Information Services operations. Requires a bachelor's degree in health records administration. A master's degree in business administration, health care administration, or information technology is preferred. At least five years of effective management experience is required. Registered records administrator required. STAFF EXEMPT, GRADE 8

■ H452, Employment Specialist/Nurse Recruiter, Department of Human Resources — Double fill with benefits. Responsible for recruiting, interviewing and screening nursing applicants. Requires a bachelor's degree (or equivalent) in business or related field plus over one year up to and including two years of effective experience. Registered nurse preferred. STAFF EXEMPT, GRADE 6.

■ H453, Assistant Director, Systems Architecture, Department of Information Systems — Responsible for directing the overall software and hardware architecture operation of the hospital computing facility. Provide an operating system and related system software for administrative data processing at the Medical Center. Requires a bachelor's degree (or equivalent) in computer science or related field plus four to seven years of effective experience working with system software and hardware functions and concepts. A working knowledge of operating system concepts, telecommunications concepts, and computer systems hardware is desirable. Must be skilled in oral and written communication. Supervisory experience is required. STAFF EXEMPT, GRADE 8

■ H436, Administrative Aide, Department of Psychiatry — Responsible to the chairperson, Department of Psychiatry, for the performance of various administrative duties to include supervision of departmental clerical employees and the efficient operation of the departmental office. Requires a high school graduate with at least two years of college or the equivalent, plus three-to-four years of effective experience in the performance of administrative duties and supervision of clerical personnel. STAFF NONEXEMPT, GRADE 5.

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